The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

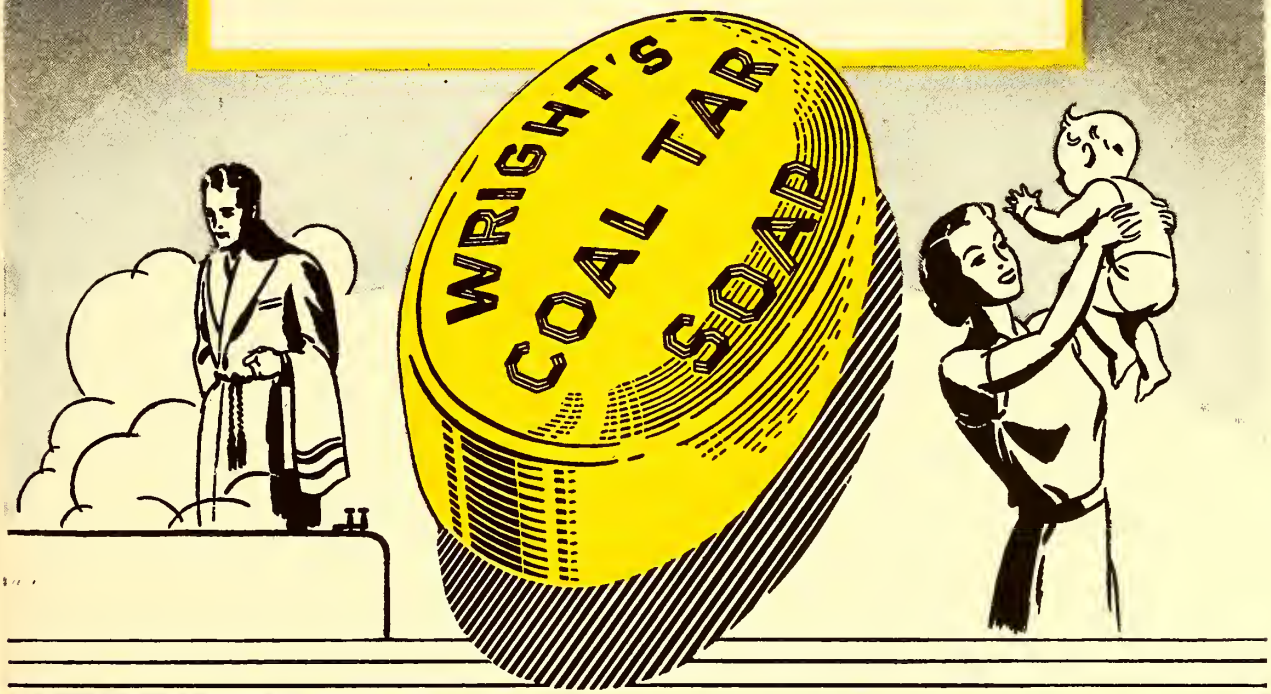
Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

No. 3195
VOL. CXXXIV

MAY 3, 1941

Annual Subscription (with Diary) 25/-. Single Copies 9d.

The Wright soap for the whole family!



WRIGHT'S Coal Tar Soap
Unsurpassed for Purity · Quality and Merit for over 75 years

WRIGHT LAYMAN & UMNEY LTD., SOUTHWARK, LONDON, S.E.1

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Send for Bonus Terms

Because of the security it confers in respect of protected price and assured profit, Euthymol is a sound line from which you can secure good and profitable business. It has been on the P.A.T.A. for over 30 years and *has no sixpenny size.*

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Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

ONE SHILLING AND THREEPENCE PROFIT ON EVERY SALE

'ELASTO' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few 'Elasto' cartons displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for: Varicose Veins, Bad Leg, Phlebitis, Piles, Hardened Arteries, Heart Troubles, Rheumatism, Bad Circulation, etc. A tablet Remedy, easy to handle and reliable.

Retail Price 5/- per pkt. Subject to Purchase Tax 7½d. **Wholesale 45/- per doz.** Subject to Purchase Tax 7/6 doz.

SHOW MATERIAL GLADLY SENT FREE ON REQUEST

P.A.T.A.

The NEW ERA TREATMENT CO. LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

A

NEARLY 6,000,000 SOLD LAST YEAR

—and NOW for Bumper 1941 Sales!

SNAP PATS. VACUUM PEND. CLOSURE

(FITS STANDARD 2 lb. JAM JARS)

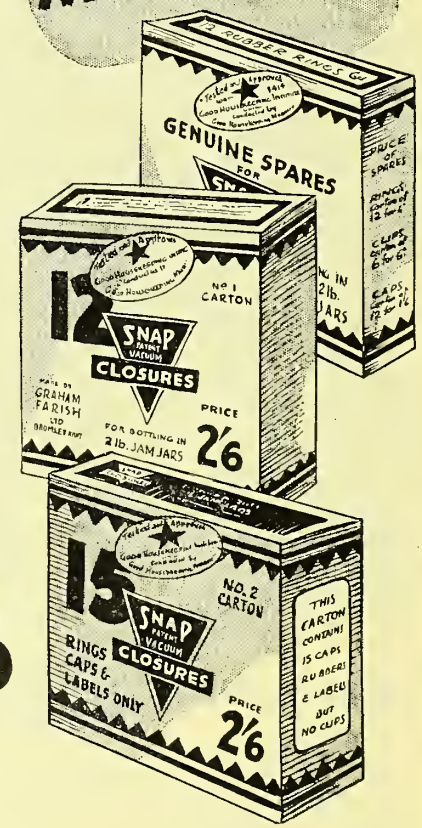
THE DEVICE THAT SIMPLIFIED FRUIT BOTTLING IN THE HOME

The Housewives of Britain, your customers, last year in answer to the Nation's call, bought 6,000,000 of these wonderful vacuum-packing devices, thus saving many thousands of tons of fruit from rotting. 1941 is to see an even greater effort encouraged by the Authorities and other bodies. *Wise traders will seize this opportunity to make some handsome profits.*

The demand last year far exceeded the supply, so make certain this year that you lose no sales through inadequate stocks.

National advertising on a wide scale has been arranged to appear during the next few months and this, coupled with the vast editorial publicity which will be enlisted, will ensure that fruit-bottling this year will beat all records.

NEW PACKS



SNAP VACUUM CLOSURES have been awarded the Certificates of the Royal Institute of Public Health and Hygiene and "Good Housekeeping" Institute, and recommended by all the leading National papers and magazines.

CARTONS CONTAINING

12 for 2/6

The original carton containing 12 Lids, 12 Rubber Rings, 6 Clips, Labels and instructions, 2s. 6d.

Cartons containing 15 Rings, 15 Caps and Labels only, 2s. 6d.

Spares cartons containing either 12 Rings, 6d.; 6 Clips, 6d.; or 12 Caps, 1s. 6d.

Representatives.

MIDLANDS: W. T. Scutt & Co., Ltd., 23 Carpenter Road, Edgbaston, Birmingham
YORKS. & NORTH: J. W. Riddiough, Gareloch, New Way, Tranmere Park, Guiseley, Leeds
LANCASHIRE: J. H. Berry, 20 Ridgefield, Queen Street, Manchester
SCOTLAND: J. R. Thomson & Co., Ltd., 146 Clyde Street, Glasgow
IRELAND: J. H. Thompson, 52 Cabin Hill Gardens, Knock, Belfast

GRAHAM FARISH Ltd. [TRADE DEPT. C. & D.] **BROMLEY KENT**

'Phone: RAVensbourne 3475 (3 lines) - - - - - 'Grams: Grafar, Bromley, Kent

★ EVANS VETERINARY PRODUCTS ★ EVANS VETERINARY PRODUCTS ★

This is "danger season" for

Pig-breeders will create a record demand for EVANS SERUM this year

Epidemic amongst livestock is one of the things that pig-breeders can't afford today —or the country either. The only assurance against serious loss by Swine Erysipelas is through protective serum and vaccine treatment. Evans Serum gives immunity over a period of weeks and protection can be extended to a minimum twelve months with the addition of Evans Vaccine treatment. Where the disease has already developed early treatment with adequate doses of Evans Serum gives a proportion of recoveries as high as 90% with immunity to further infection as well. In all cases the advice and assistance of a veterinary surgeon is recommended. Evans products are strongly advertised throughout the farming papers and your co-operation with effective displays of the advertised preparations will build a strong connection amongst the local farming community and open up a line of new and profitable war-time sales.

EVANS SWINE ERYSIPELAS SERUM
10 c.c. **1/-**: 50 c.c. **3/6**: 100 c.c. **6/-**: 250 c.c. **14/-**.

EVANS SWINE ERYSIPELAS VACCINE
5 c.c. **1/-**: 25 c.c. **3/6**.

The above prices are subject to trade discount.

VETERINARY EVANS PRODUCTS

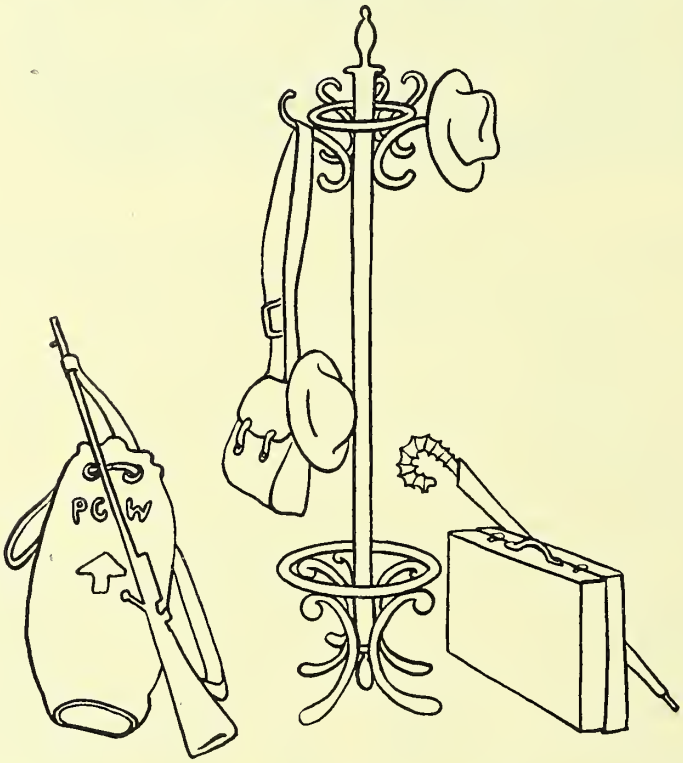
EVANS SONS LESCHER & WEBB LTD · LIVERPOOL AND LONDON

E.T.18

★ EVANS VETERINARY PRODUCTS ★ EVANS VETERINARY PRODUCTS ★ EVANS VETERINARY PRODUCTS ★ EVANS VETERINARY PRODUCTS ★

Despite war conditions

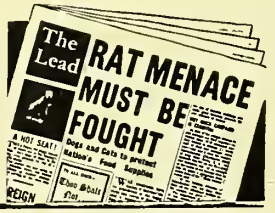
WE ARE KEEPING YOUR INTERESTS CONSTANTLY IN MIND



IF your usual Bob Martin representative is not calling on you as often as you would like, it is certainly not because your interests are being overlooked. Many members of our staff are now serving with the Forces, but the available representatives are working hard to put in all the calls they possibly can. In spite of prevailing conditions, you can rest assured that we shall do everything in our power to see that your requirements are met. If we can help you in any difficulty, please don't hesitate to drop a line to Southport.

NEWS FOR RETAILERS

Do you read 'The Lead' regularly? You will find it well worth while to watch each issue carefully for news and notes which would normally have been passed on by Bob Martin representatives. Topical features, too, and first-rate illustrations.



BOB MARTIN LTD SOUTHPORT LANCS.

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Disinfectants

to Hospitals, Public Institutions, Local Councils, &c.
REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers to the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.
White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 10/12, 18/20, 20/22, 24/26.
Lysol B.P. Quality. Pine Disinfecting Fluids.
Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.
Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.
Tar Acids and Rideal Walker Co-efficiency guaranteed.

Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20
Liquid Carbolic and Cresylic Acid, Dark 95/97% and Pale 97/99%.
Sulphur Candles. Formaldehyde (Formalin) 40% Solution
Liquid Soaps.
SOLUBLE Carbolic or Pine Blocks for road watering vans
Carbolic Weed Killer, etc.
May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

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PRINCE REGENT TAR COMPANY, LTD.

(Managers: BURT, BOULTON & HAYWOOD, LTD.)

BRETTENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W.C.2
Phone: Temple Bar 5801 (5 lines) *Telegrams: "Burboul, Rand, London"*

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Ucal has at its command:

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Ucal Products are made for an educated and discerning public.

It will pay you to feature Ucal Products and get more of the better class trade.

No competition from Stores, Grocers, Co-ops.

Ucal
The Sign of Reliability

UNITED CHEMISTS ASSOCIATION LTD.
CHELTENHAM

The Pebble in the Pool

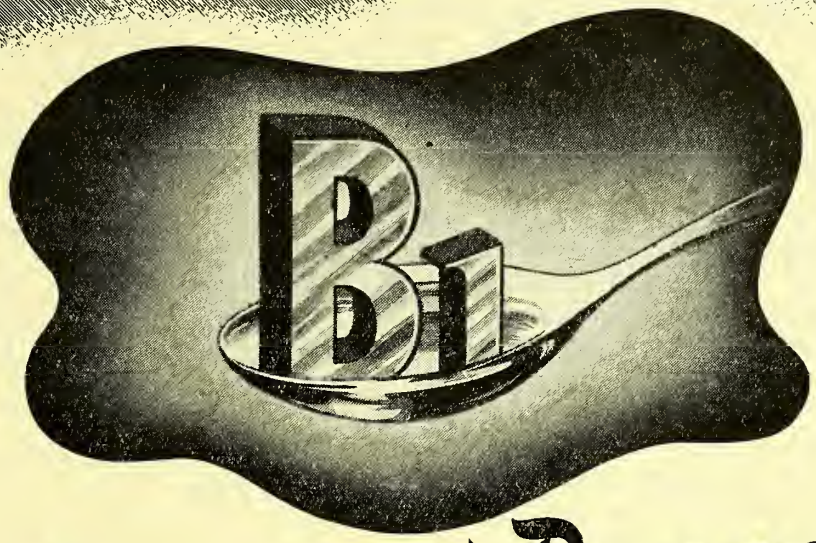
A MANUFACTURER changes from peace to war production—more for the Services and less for the civilian. A wholesaler gets less to distribute to the shops. A shopkeeper gets less to serve from his counters. A customer must buy less. When the pebble is dropped in the pool the effects are felt to the very edge.

When a lifetime has been spent building up trade, it is hard to believe that some of that hard-won trade must be sacrificed for the common good. For accepting the necessity without complaining; for playing the game fairly; for explaining and easing the situation for their customers; for starting all over again to learn vital new jobs, the men who man the home supply services—manufacturers, wholesalers, representatives, and retailers alike—may well feel proud of the part they are playing to bring the day of victory closer yet.

ISSUED BY

THE BOARD OF TRADE

YOU MAY WISH TO CUT OUT THIS PAGE AND DISPLAY IT TO YOUR CUSTOMERS



Increased Dosage

In view of the trend towards increased dosage of Vitamin B_1 both here and in the U.S.A. it has been decided to raise the strength of 'Betaxan' tablets from 1 mg. to 3 mg. pure synthetic crystalline Vitamin B_1 and the strength of the 2 mg. ampoules to 5 mg., and of the 10 mg. ('Forte') ampoules to 25 mg.

'Betaxan' tablets will now contain *three times* and 'Betaxan' ampoules *two-and-a-half times* the amount of Vitamin B_1.

As no increase in price will be made, these greater strengths constitute a considerable reduction in price. The 1 mg. tablets are available at reduced prices.

PRICES AND PACKINGS:

(As from May 5, 1941)

TABLETS	1 mg.	3 mg.	AMPOULES 1 cc.	5 mg.	25 mg.
Tube of 20	2/6d	4/-	Box of 3	3/9d	9/6d
Bottle of 100	10/-	16/-	Box of 15	17/6d	40/6d
Bottle of 500	45/-	72/-	Box of 50	50/-	—

Subject to usual discount. Purchase Tax extra.

So long as stocks last 2 mg. and 10 mg. ampoules will be sold at the present prices.

Now made in England

'Betaxan'

TRADE MARK

BRAND OF VITAMIN B_1

BAYER

BAYER PRODUCTS LIMITED

AFRICA HOUSE · KINGSWAY · LONDON · W.C.2

Wider Distribution of ANNE FRENCH Cleansing Milk

In order to obtain the widest possible distribution to the public of our limited permitted sale of this most popular line, we have decided to withdraw the large 4/4 size. We are confident that this step will operate to our mutual advantage.

Anne French

2/5 OLD BOND ST., LONDON, W.1

Distributors:

INTERNATIONAL CHEMICAL COMPANY LTD.
BRAYDON ROAD, LONDON, N.16

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For urgent Government work

Modern Accounting Machines

Adding & Listing Machines

Calculating Machines

These machines are required for use mainly in Aircraft and Armament Factories for the production of Payroll Records, Stores Accounts, Purchase Ledgers and Cost Records. Machines should be in good mechanical condition and offers showing make and model and whether available for Sale, Hire or Loan should be addressed to:

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White or Khaki

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SHOP JACKETS

Super White Drill

ALPACA JACKETS

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Supplied at to-day's lowest prices

Send P.C. to Department G. for illustrated list showing styles. Owing to fluctuations, goods can only be offered at ruling prices of to-day. State style required and we will gladly quote you. Cash with order, or usual trade references

—o—

Satisfaction guaranteed

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1

OPPOSITE THE NEW ALDGATE EAST STATION

WANT RAZOR BLADES?
GET MULTISHAVES!

The Solution to the RAZOR BLADE SHORTAGE

SPECIAL OFFER

Multishave advertisements will be inserted weekly in your local evening or weekly newspaper, mentioning only your name as stockists, in consideration of your order for 12 cartons each 3 dozen Multishave Sharpeners at 10/- per dozen. Attractive Showcards for window or counter display are included. The advertisements bring you many new customers, some of whom continually deal with you. Be the first in your district to get the 13 weekly advertisements.

Thousands of progressive chemists satisfy and please their customers who ask for new razor blades. Their customers are not faced with the possibility of having either to grow whiskers, or humbling themselves by going from shop to shop, almost begging for the means to preserve their self-respect.

Progressive chemists who value their customers' confidence, recommend the Multishave Safety Razor Blade Sharpener —the *guaranteed* sharpener that makes Gillette and other double-edged blades give dozens of extra smooth shaves.

The sharpening agent used in the Multishave is the finest, fastest cutting abrasive known to science. Yet this abrasive grinds so smoothly that any blade can be sharpened many times and still give perfectly smooth, close, comfortable shaves.

The bluntest blade, even if it has been stropped or rubbed on a tumbler or other glass article until it is beyond hope, can be given a new edge in ten seconds with the Multishave.

There are no glass parts to the Multishave —no fear of breakage or accidents. It is ideal for travellers, particularly men in the Forces, and is a thoughtful gift.

Your customers must shave. If you are short of blades, sell Multishaves.

Earn your customers' confidence and appreciation. You make fourpence-halfpenny profit on each Multishave Sharpener. Retail price 1s. 6d., including purchase tax. Trade price 10s. per dozen, plus tax. Packed three dozen to a carton, complete with smart showcards.

Order Multishave Sharpeners from your wholesaler, or send direct to

THE MULTISHAVE COMPANY

14 Parson Street, London, N.W.4

TELEPHONE: HENDON 3905

WOOLLEY'S

QUALITY & SERVICE
in these difficult times
for your
PHARMACEUTICAL
REQUIREMENTS

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Victoria Bridge, Manchester, 3

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WO.86

FIRST-CLASS SALESMEN AND SALES ORGANISATION AVAILABLE

Firm of international repute, whose selling activities are now curtailed by the quota, having excellent relations with Retail and Wholesale Chemists' trade (Great Britain and Ulster), developed over a number of years by a force of highly-trained representatives, and backed by an efficient sales organisation,

ARE PREPARED

to extend their sales organisation to manufacturers of

Proprietary Lines
Chemists' Sundries
Patent Medicines
or others

whose selling staff might be depleted, or who might wish to extend their activities.

The Organisation in question is willing to undertake the above task at a moderate rate, preferably on a fixed commission basis *with no other expenses* to the manufacturers.

Interested manufacturers are asked to write for further details, or to request our representative to call.

CDB/490 London Office of this Paper.

They're looking for it in YOUR SHOP!

A TAMPAX display sends PROFITS soaring!

The more you *display* Tampax the more you sell. Once women know they can get it in your shop you've got an assured regular demand. (Many Tampax customers have evacuated from their home towns and are settling into new areas. That's a *special* opportunity for the Tampax dealer). Tampax—compact and handy with an attractive pack and a lightning turnover—is the ideal show line: doesn't want much house room: doesn't gather dust on your shelves: makes a good show in your window and on your counter: gives you a useful profit on every sale.

TRADE TERMS. P.A.T.A. PRICES

★ PACKETS OF 3	*Wholesale* 5/3 DOZ.	*Retail* 7d. PACKET
★ PACKETS OF 6	*Wholesale* 10/6 DOZ.	*Retail* 1/2 PACKET
★ PACKETS OF 10	*Wholesale* 15/9 DOZ.	*Retail* 1/9 PACKET
★ PACKETS OF 40	*Wholesale* 54/- DOZ.	*Retail* 6/- PACKET

Manufactured in England by Tampax Ltd., *Belvue Rd., Northolt, Middx.*
Sole Distributors: SPLENDOR LTD., 5 *Beastmarket Hill, Nottingham, and 7c Lower Belgrave Street, London, S.W.1*

THE
"MATER"
CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 99.4

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
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RELIABLE
ELASTIC HOSIERY
SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Permit us to quote you

SURGICAL HOSIERY CO. LTD.
Russell Street :: NOTTINGHAM
Telephone No. 75903. Telegrams: SURGICAL NOTTM.

Richard Daniel & Son Ltd. Derby.

TABLETS & PILLS

WE ARE WELL EQUIPPED TO SUPPLY YOU WITH ALL STANDARD LINES FROM STOCK — OR CAN MAKE YOUR SPECIALITY IN SMALL OR LARGE QUANTITIES

May we send you our List ?

Advertisers have for disposal a quantity of **Toilet Rolls** in 6½ oz. and 8 oz. Also **Pads** approx. 250 sheets. Immediate deliveries from stock.

Write CDB/433, London Office of this Paper.

TAMPAX

REGD TRADE MARK

Sanitary Protection WORN INTERNALLY

Sole Distributors: Splendor Ltd., 5 Beastmarket Hill, Nottingham *for* Tampax Ltd., Belvue Road, Northolt, Middlesex

Elastoplast

TRADE MARK BRAND

DRESSING STRIP

in daily demand

T. J. SMITH & NEPHEW, Ltd. NEPTUNE ST., HULL

Doing two jobs at once

Carrying your advertisement

Enhancing your reputation

War-time economy makes it necessary to employ the latest and quickest means of securing parcels, bales and containers in the Packing Department. If you have not yet investigated the Gumstrip method of sealing parcels, send for copies of the Gumstrip Sealing Tape books Nos. 200 and 207.

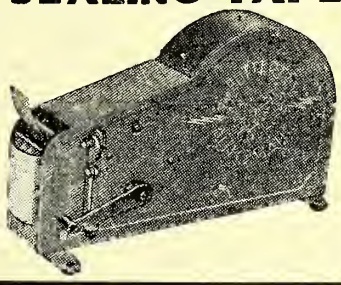
BUTTERFLY BRAND

PRINTED GUMSTRIP SEALING TAPE

To obtain the best results from Gumstrip Sealing Tape use the

BUTTERFLY" AUTOMATIC SEALING MACHINE

Quickly pays for itself by the time it saves. Lengths required automatically dispensed ready for use. No mess, no waste.



SAMUEL JONES & Co. Ltd

16-17 NEW BRIDGE STREET, LONDON, E.C.4 Telephone: Central 6500

THREE IMPORTANT AIDS to PEST CONTROL

The destruction of rats and other pests which are responsible for food waste and contamination is now a national duty of vital importance.

For this purpose the well-known Rodine Products are of utmost value and chemists are advised to carry adequate stocks.

The demand for Rodine raticides and beetle poison is growing all over the country.

RODINE PHOSPHORUS RAT POISON

The best-selling raticide for over 30 years. Has destroyed millions of rats.

RODINE RED SQUILL RAT POISON

The best rat killer for use in the home. In great demand.

RODINE PHOSPHORUS BEETLE POISON

The new Rodine product is the most effective means of clearing out these pests. A big seller.

RODINE

Manufacturers

THOMAS HARLEY, LTD.

RODINE WORKS, PERTH, SCOTLAND

Wider Distribution of small size I.C.C. Toilet Products

In view of the restrictions placed on toilet goods by the Limitation of Supply Order and so as to obtain the widest possible distribution to the public of our toilet products, we feel that it is to our mutual advantage to withdraw the large sizes for the duration of the war. This will enable you, with the larger number of units available, to satisfy many more of your customers.

LAVONA HAIR TONIC (Blue Label)

REUDEL
BATH SALTS
also
TIZ
BATH TABLETS

INTERNATIONAL CHEMICAL COMPANY LIMITED
BRAYDON ROAD LONDON N16

UPPER EDMONTON,
LONDON, N.18.

Dear Mr Chemist,

The need for economy is vital

Sparklets Refillable Syphons offer your customers the means of practising economy. We invite your co-operation and assistance in helping us to keep them supplied by collecting and returning empty Sparklets Bulbs promptly

One other point - when occasion arises, will you please remind Sparklets Syphon users of our Renovation and Repair Service? There is no reason to allow a single Sparklets Syphon to go into disuse - repairs can quickly be effected.

Yours sincerely,

SPARKLETS LTD.

Potter's

CITRATES

STOCKS ARE NOW AVAILABLE OF

FERRI ET AMMONII CITRAS B.P.
POTASSII CITRAS B.P.
SODII CITRAS B.P.

Just three more items which are given that same careful attention which has made the name of "Potters"' famous.

POTTER & CLARKE LTD

LONDON and **MANCHESTER**

60-64 Artillery Lane, Bishopsgate, E.1
'Phone: BIShopsgate 4761 (6 lines)
'Grams: Horehound, Phone, London

77 Dantzic Street, Manchester, 4
'Phone: BLAckfriars 8734
'Grams: Horehound, Manchester

RECESS LABELLED BOTTLES

Elegance and tradition — their gleaming brightness, well-balanced proportions, the restrained touches of red and gold on the recessed panels.

Yet practical too—their permanent glass-covered labels completely unaffected by drips, their perfect stoppering, their glass of high durability.

A good display of Recess Labelled Bottles gives an air of distinction to your pharmacy.

Beatson, Clark & Co. Ltd.

MANUFACTURERS OF

Chemical & Medical Glass

ROTHERHAM YORKSHIRE

ESTABLISHED 1751

BC.30

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Developers

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DEGRAINOL Fine Grain Developer
SUPER DEGRAINOL Ultra Fine Grain Developer

Specialities

Desensit, Resistol, Glazine

The New British Colour Developer

CHROMINOX (Chromatol)

Attractive Display Matter. Counter literature and stocks from

Sole Distributors Home and Export:

MINOX LIMITED

5 VICTORIA STREET, LONDON, S.W.1

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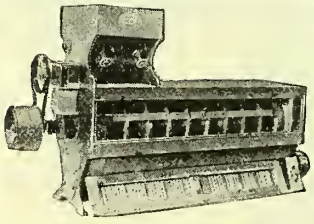

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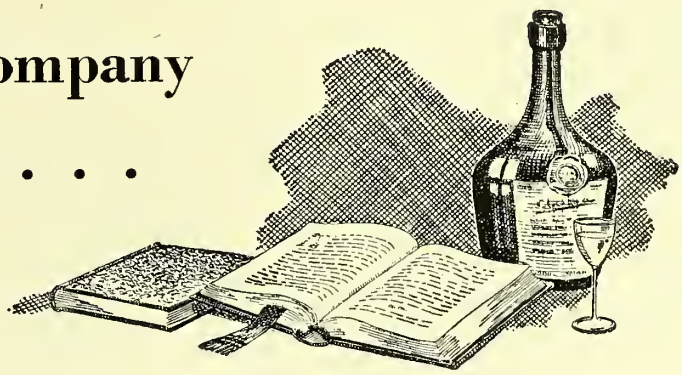

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NEWS OF THE WEEK

Summer Time.—The extension of summer time by one hour ommences on the night of Saturday, May 3, and continues until he night of Saturday, August 9. During this period the clock will e two hours in advance of Greenwich Mean Time.

Shorter Black-out.—Beginning on Sunday, May 4, the black-out eriod which now begins half an hour after sunset and ends half an our before sunrise will be shortened. In Scotland and in the ounties of Northumberland, Durham and Cumberland the black-out ill begin an hour after sunset and end an hour before sunrise. n the rest of England and Wales it will begin three-quarters of an our after sunset and end three-quarters of an hour before sunrise.

Compulsory Fire-watching Enrolment.—The Minister of Home ecurity has made an Order under which all male British subjects etween eighteen and sixty years of age whose usual place of work at business premises in the City of London may be required, unless ey are in certain exempted classes, to be registered and enrolled r fire prevention duties anywhere in the City. The registration of ersons working at business premises will be carried out by the ccupiers of those premises, who will be required to furnish the ecessary returns to the Common Council.

British Chemical Plant Manufacturers.—The following were ppointed at the annual meeting of the British Chemical Plant anufacturers' Association on April 23:—*Chairman*, Mr. B. L. roadbent (Thomas Broadbent & Sons, Ltd.); *Vice-Chairman*, r. G. E. Foxwell (Clayton, Son & Co., Ltd.); *Treasurer*, Mr. W. S. night (Kestner Evaporator & Engineering Co., Ltd.); *Committee*: ected members, Messrs. W. R. Beswick, K. Fraser, J. C. Haithaite, D. W. Henshaw, S. J. Ralph, and B. N. Reavell; co-opted embers, Messrs. G. N. Hodson, W. J. Hooton, R. Lessing, and . Rider.

Glass Protection in Shops.—The Ministry of Home Security is suing a leaflet for the help of shopkeepers in reducing the risk of jury during air raids from flying fragments of glass to the staff, stomers and also the goods in their shops. The leaflet advises the safest course the replacement of glass with non-splintering aterials, window display being secured through glazed openings boards. If, however, protection against glass splinters is required, e leaflet deals fully with the following methods: Heavy curtains partitions, catch netting, textile fabric on glass, strip treatment, of glass, internal glass. Protection of goods and food are also alt with.

Distribution of Steel Supplies.—The Iron and Steel Control's oklet "Distribution of Steel Supplies, No. 3, Customers" directed at application for steel authorisations should be addressed to the overnment Department under whose responsibility the steel was be used. From now on, applications from certain raw material dustries will be dealt with by the appropriate Controller. In the se of molasses and industrial alcohol, application forms for thorisations of steel for: (1) the manufacture of new plant and achinery; (2) the maintenance and repair of existing plant; d (3) packages and containers, to be used in processes of anufacture of molasses and industrial alcohol can be obtained m the Molasses and Industrial Alcohol Control, Great Burgh, psom. The processes referred to are: The storage and distribution molasses; the production, storage and distribution of methyl cohol (including wood naphtha); of industrial ethyl alcohol; amyl alcohols (including fusel oil); of hexyl alcohols; of acetic id and esters of acetic or acetoacetic acids; of ethyl lactate; ethyl, butyl and amyl phthalates; of esters, ethers or ether esters ethylene and diethylene glycols; of acetone, methyl ethyl ketone and diacetone alcohol; of formaldehyde (including hexamethylenetetramine).

Trade with Jugo-Slavia.—The Board of Trade has issued an order (S.R. & O. 1941, No. 543) applying to Jugo-Slavia the provisions of the Trading with the Enemy Act, 1939, as they apply in relation to enemy territory.

Brighton Branch Officers.—The annual meeting of the Brighton & Hove Branch of the Pharmaceutical Society was held on April 24, about thirty-five members attending. The following officers were elected: *Chairman*, Mr. T. Harper; *Vice-chairmen*, Messrs. H. A. Baker and G. Paterson; *Committee*, Miss Faro; Messrs. D. Mitchell, Haywards Heath; W. L. Chatfield; R. G. Mumford; and S. Padwick. A resolution was passed congratulating Mr. J. Plowright on his reaching the fiftieth anniversary of his admission to the Register of Pharmaceutical Chemists.

Personal Injuries (Civilians) Pension Scheme.—The Ministry of Pensions has issued a pamphlet (S.R. & O. 1941, No. 226) outlining the pension scheme to be applied to civilians who are injured in the performance of their duties as members of any civil defence organisation. Part I is an interpretation of the scheme. Part II gives details of compensation and allowances. Part III is connected with pensions and allowances in respect of injuries causing serious and prolonged disablement or death. Part IV details the general provisions relating to injury allowances and pensions, with a schedule of the civil defence organisations covered by the scheme. Copies of the 34-page pamphlet may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 9d.

Unlawful Use of Title.—At Clerkenwell Police Court, London, on April 21, Farr (Hairdressers), Ltd., Chetwynd Road, Highgate, were summoned for unlawful use of the title "chemist" in connexion with the sale of goods by retail. There was a further summons alleging they used the word "chemist" in a manner reasonably calculated to suggest that they, or someone in their employment in the business, possessed qualifications with respect to the selling, dispensing or compounding of drugs or poisons other than the qualifications which they in fact possessed. For the prosecution there were produced a number of photographs of the defendants' shop and a large bill, including the words: "The house for chemists' sundries." It was stated that defendants were prepared to give an undertaking to take down the notice. The prosecution proposed to withdraw the second summons and the first summons was dismissed under the Probation of Offenders Act.

Purchase Tax.—In accordance with statutory regulations (S.R. & O. No. 539) the next payment of purchase tax will be in respect of the period March 1 to June 30, and the tax must be paid to the collector not later than July 31. Thereafter tax will be payable quarterly with a similar period of a month's grace at the end of each quarter. Arrangements whereby tax on sales not paid for in each period may be carried forward to the next will be discontinued. In future, therefore, tax will be payable on all taxable transactions occurring within the period, without deduction in respect of sales not paid for; but the period of grace within which tax must be paid has been extended from ten days to a month. Any tax outstanding from previous periods must be included in full in the payment due in July next. Forms (P.T. 11), on which returns of tax must be made, will be posted to registered persons at the close of the current period. The Commissioners of Customs and Excise will accept returns made up to a date a week or two later than the end of the quarter, e.g. July 15 instead of June 30, where registered firms prefer to adopt such a course.

Dangerous Drugs Act Prosecution.—At Chertsey Police Court, recently, John Dudley Cotter was sentenced to twelve months' imprisonment on three charges of unlawfully procuring morphine sulphate from Dr. J. B. Cargin, Dr. N. Whitehurst and Owen Rowlands, M.P.S., employed at Boots, Ltd., High Street, Weybridge. Dr. Whitehurst stated that Cotter asked him for a grain of morphine and some material to perform an operation on a dog. Accused told him he was a veterinary surgeon, and, when questioned, witness found he possessed a sound knowledge of medical principles, and so he supplied the drug to him. Cotter came again later and asked for a supply of morphine for another operation, and witness gave him a prescription for one grain of the drug. Dr. J. Cargin said Cotter called on him and asked for a hypodermic syringe and a grain of morphine to perform an emergency operation. Witness gave him two quarter-grains of the drug and the syringe. Mr. Owen Rowlands said Cotter presented a prescription. It was somewhat smudged, and as there might be some doubt about the quantity, confirmation was obtained by telephone from Dr. Whitehurst. The morphine was then supplied to him. Accused asked for other cases of obtaining drugs at Weybridge and Woking to be taken into consideration.

War Damage to Buildings and Land.—The War Damage Commission announces that its four regional offices for London were opened on April 28. The addresses of the offices are as follows:—*N.W. London.*—Government Building, Bromyard Avenue, Acton, London, W.3; *N.E. London.*—Finsbury Square House, 33–37A Finsbury Square, London, E.C.1; *S.E. London.*—Clifton House, Euston Road, London, N.W.1; and *S.W. London.*—55 Eden Street, Kingston-on-Thames. Notifications of damage to land and buildings, or claims in respect of such damage already suffered, in any of these places, are to be made to the appropriate office. Where an owner of damaged premises has already completed Form V.O.W. 1 and returned it to the district valuer he or she need take no action until approached by the War Damage Commission's regional office and invited to fill up a second form giving certain necessary particulars. In the event of future damage application should be made to the Commission's regional office, or to the district valuer, for Form C.1, the new and simpler form by means of which notification is to be given. This form will also be obtainable at most town halls and council offices. A pamphlet giving a short explanation of that part of the War Damage Act which relates to land and buildings will be issued with Form C. 1, and will be sent with the second Form to those claimants who have already sent in V.O.W. 1. It should be pointed out that the Commission's regional office is in no way concerned with the insurance of goods and chattels.

More Goods for Reception Areas.—New recommendations issued by the Board of Trade are expected to have the result that shopkeepers in reception areas will receive larger proportions of available supplies. After consultation with trade associations, the Board has confidentially indicated to wholesalers the extent to which supplies of goods other than foodstuffs should be scaled up or down for particular areas, in order to keep in line with population changes. The factor of adjustment is not the same for all classes of goods. Details of population changes cannot be published, but among the areas to which graded increases of supplies have been recommended are:—

Blackpool-Lancaster area.
Southport and district.
Cumberland and Westmorland.
Hexham and district.
Barnard Castle and district.
Harrogate, Skipton and N.W. Yorkshire.
Isle of Man.
York area.
Chester and district.
Shropshire.
Worcestershire (except Birmingham area).
Northamptonshire.
S. Warwickshire (Warwick-Leamington-Stratford area).
Buxton, Matlock and Peak District.
Peterborough - Spalding - Stamford area.
Lincoln-Grantham-Newark area.
Leicestershire and Rutland.
Stafford-Burton-Lichfield area.
Cambs, Beds and Hunts.
Norfolk and Suffolk (except coastal areas).
Herts (except Watford area).
Berks, Bucks and Oxon.
Surrey (except London area).
Winchester-Andover-Basingstoke area.
Watford area.
Saffron Walden area.
Chelmsford-Braintree area.
Mid-Kent (Maidstone-Tonbridge area).
Sussex (except coastal areas).
Somerset (except Bristol area).
Gloucester-Cheltenham-Cotswold area.
Cornwall and Devon.
Wiltshire.
Herefordshire.
Forest of Dean area.
Dorset.
North Wales.
Mid Wales.
West Wales.
Monmouth.
Orkney and Shetland Islands.
S.W. Scotland (Counties of Ayr, Dumfries, Kirkcudbright and Wigtown).

Wholesalers supplying goods other than foodstuffs who are concerned with the problem should apply to the secretary of their trade association for confidential details.

Theft.—The premises of Body's Pharmacies, Ltd., Broadway, Southend-on-Sea, were broken into on April 20, and a sum of money stolen.

In the Courts.—For an overcharge of one penny on torch batteries, which were sold at sixpence instead of fivepence, Tatlers (Chemists), Ltd., Borough Road, Wallasey, were fined 7s. 6d. at Wallasey Police Court recently.

Illustrated Lecture at Wembley.—At a meeting of the Wembley Branch of the Pharmaceutical Society on April 22, the president of the Branch (Mr. W. E. James, F.L.S.) gave a lecture illustrated by lantern slides on "One Hundred Years of Pharmaceutical Progress." In the course of his lecture he gave the ratio of pharmacists to population as being, in 1880, 1 to 2,200; in 1910, 1 to 2,500; and in 1940, 1 to 1,850. A vote of thanks was proposed by Mr. H. E. Purchase and seconded by Mr. T. B. Robinson.

Diploma in Biochemical Analysis.—In the examinations in London for the Pharmaceutical Society's diploma in biochemical analysis in April, eight candidates entered, of whom four passed and three failed, one being absent. The following candidates were successful: Peggy Lee Blakeman; Keith Gisborne; Cynthia M. de B. Leach; Frederick Simons. In Edinburgh thirteen entered, of whom seven passed. The following candidates were successful: Charles Eggo; J. S. F. Graham; Edwin Ian Greig; William Hendry; George M. Howard; James Murray Maxwell; Doris Speak.

Inquests.—An inquiry was held recently into the circumstances attending the death of Mr. E. H. Solomon, M.P.S., Basingstoke (*C. & D.*, April 26). It was stated he had swallowed a quantity of disinfectant and a verdict of "suicide" was recorded.—A verdict that the death of Miss Elizabeth Byford, St. Ann's Chapel, Cornwall, whose body was exhumed last August, was accelerated and aggravated by arsenical poisoning, but that there was insufficient evidence to show by whom it was administered, was returned at the resumed inquest on her body at Plymouth, on April 17.

IRELAND

Chemists' and Druggists' Society, Ireland.—A meeting of the committee of management was held in Belfast on April 9. There were present Messrs. Fred Storey (president, in the chair), D. A. Taylor, W. Martin, H. Johnston, S. Nevin, H. McQuitty, A. E. A. Davis, and James Macauley (secretary). A letter was read from the Civil Defence Authorities asking the Society to make arrangements for storing goods and furniture in case of damage to premises by air raid. It was agreed that the rooms, 11 Waring Street, should be available to any members unable to arrange for storage locally. Four subcommittees were then appointed. The president reported that all male workers in the wholesale business were being brought into the National Union of Distributive and Allied Workers, and on a matter of principle he had objected to apprentices being included. He was being brought before the Tribunal by the Union on this point, and had engaged solicitor and counsel and was going to fight the issue. He strongly resented pharmaceutical apprentices being put on the same footing as messenger boys, light porters, or bottle-washers; the result sooner or later would affect the retail apprentices and he mentioned the matter so that they would know the position.

SCOTLAND

Photographic Society Lecture.—Mr. James Neill, A.R.P.S. Glasgow (Ilford, Ltd., London), addressed Kirkcaldy Photographic Society recently. He spoke on "Photographic Tasks and Teasers." The speaker was introduced by Mr. Jame Duguid, M.P.S., a member of the club; he gave a review of tone ranges possible with various types of filters, and showed over sixty slides to exemplify his points.

Glasgow Branch Annual Meeting.—The annual meeting of the Glasgow and South Western Scottish Branch of the Pharmaceutical Society was held on April 9, Professor J. P. Todd (chairman) presiding. The annual report, presented by the chairman, showed that membership stood at 1,291, an increase of twenty-four during the year. Arising out of the report, Mr. Robert McAdam (secretary) said in reply to a question, that he had been asked to write to Members of Parliament in the area to urge them to oppose further taxation on drugs. Ten members had replied and six had promised their support. The following office-bearers were appointed:—*Chairman*, Professor J. P. Todd; *Vice-Chairman*, Mr. D. Gemmell; *Secretary and Treasurer*, Mr. Robert McAdam, 1044 Dumbarton Road, Glasgow, W.; *Librarian*, Mr. Thomas Newton; *Committee*, Messrs. Allison, Buick, Colin Campbell, W. S. Culbert, Heughan, Irvine, J. J. McEwan, McCrone, Milne, Moffat, Officer, J. H. Ramsay, A. B. Gilmour, T. Smith, and Misses Paul and Suttie; *Auditors*, W. W. Wilson and W. Peebles; *Conference Delegates*, the chairman, vice-chairman, secretary, Miss Suttie and Mr. A. B. Gilmour.

COMPANY NEWS

P.C. means Private Company and R.O. Registered Office

HAROLD GREEN (MANCHESTER), LTD. (P.C.).—Capital £100. Objects: To carry on business as dealers in and agents for brushes and materials for the same, including toilet and domestic brushes, etc. Harold W. Green, 85 Hale Road, Hale, Cheshire, and Herbert Gordon, 6 Morley Avenue, Manchester, directors. R.O.: 184 Stockport Road, Manchester.

LEADBITTER & SON, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a chemist carried on by George Wood, at 23 Blandford Street, 6 Whitehouse Crescent and 5 The Terrace, Southwick, Sunderland. George Wood, M.P.S., and Mrs. Grace Wood, both of 30 Ennerdale, Sunderland, directors. R.O.: 23 Blandford Street, Sunderland, co. Durham.

SIZZLET, LTD. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers of and dealers in a medicinal preparation known as Sizzlet, to purchase the trade mark of that name, etc. Algernon J. Rowden, Wistdene, Canterbury Road, Herne Bay, Kent, and George M. Cartwright, London, N.4, directors. R.O.: Barclays Bank Chambers, Grand Parade, Harringay, London, N.4.

LANCET NURSING AND HOSPITAL SUPPLIES, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of and dealers in requisites for nurses, surgical dressings, toilet requisites, surgical instruments and appliances, etc. Edward T. Sides, 79 Shaw Heath, Stockport, and Frederick G. Harris, 177B Cross Street, Sale, directors. R.O.: 79 Shaw Heath, Stockport, Cheshire.

ESMOREA CHEMICAL PRODUCTS, LTD. (P.C.).—Capital £5,000. Objects: To carry on business as analytical, manufacturing, pharmaceutical and general chemists, etc. Archibald S. Sinnatt, 75 Rutland Road, Ilford, Essex; Thomas Knowles, 1 Porchester Road, London, W.2; and Juan P. Santos, 53 Stafford Court, Kensington, London, W.8, directors. R.O.: 76–78 Brewery Road, London, N.7.

GEORGE YAGER, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, toilet requisites, etc. Francis H. Cook, Little Manor, Church Road, Watford; Charles A. Colmore, Old Forge, Harvel, near Meopham, Kent; and George Yager, 25 St. Mary's Grove, London, N.1, directors. R.O.: 598 High Road, Chiswick, London, W.4.

BENGER'S FOOD, LTD.—A final dividend of 7½ per cent. (as last year) has been declared on the ordinary shares.

TIMOTHY WHITES & TAYLORS, LTD.—Directors have declared a second interim dividend of 22½ per cent., less tax, on the ordinary shares, making 30 per cent. (as in 1939) for the year 1940.

BRITISH OXYGEN CO., LTD.—Consolidated profit in 1940 amounted to £1,897,508, against £1,387,995 in 1939. Depreciation, income tax, and proportion of profits retained by subsidiary companies for special appropriations and reserves, leave a balance on profit and loss account, after adding last year's carry forward, of £995,727. £600,000 has been placed to special reserve for excess profits tax, income tax, and war contingencies, and a final dividend of 8 per cent., less income tax, is being paid on the ordinary stock, making 15 per cent. for the year. Mr. J. S. Hutchison's appointment has been confirmed, and the retiring directors (Mr. S. J. L. Gardie and Sir Alexander Stewart) have been re-elected.

PARLIAMENTARY NEWS

Requisitioning of Business Premises.—Replying to Sir Stanley Reed on April 29, Mr. Oliver Lyttelton (President of the Board of Trade) said that in considering what factories in production could best be released for national purposes, regard must be had primarily to the suitability of the labour and premises and to the relative importance of the present output of the factory for the prosecution of the war. The fact that bombed-out firms had moved to new premises in less vulnerable areas could not in itself be regarded as a reason for protecting them against requisitioning, and he proposed in the near future to take steps to prevent, except under licence, the acquisition of new premises by private firms.

Special Diet for Diabetics.—Sir I. Fraser asked the Parliamentary Secretary to the Ministry of Food on April 22 what special arrangements his Department had made, or proposed to make, to enable diabetics to obtain a balanced diet suitable to their condition. Major Lloyd George replied that, on the recommendation of the Food Rationing (Special Diets) Advisory Committee of the Medical Research Council, he had arranged for diabetics to receive two extra meat and two extra butter and margarine rations per week in lieu of their sugar ration, and he understood that these extra allowances enabled diabetics to obtain a diet adequate for all cases of diabetes mellitus. Under the present food restrictions no other special arrangements needed to be made.

Purchase Tax Payments.—The Chancellor of the Exchequer was asked by Mr. Wilson on April 22 if consideration had been given to the difficulties of the wholesaler, who had to pay monthly in respect of all tax charged in the previous month whether collected or not; and whether, to avoid much inconvenience, he would arrange that there should only be paid over each month what had been collected in the previous month.

SIR KINGSLEY WOOD: My hon. Friend is in error in supposing that payment of purchase tax is required to be made monthly. The Regulations provide for the tax to be paid quarterly, though in future a month will normally be allowed after the end of each quarter in which to make up the return of tax due and pay the money. This procedure affords a period of grace such as my hon. Friend appears to desire.

War Damage Insurance Premiums.—On April 22 Colonel Guest asked the President of the Board of Trade what—and if so from what date—premiums under the War Damage Act, 1941, must be paid retrospectively by a limited liability company so that it was fully covered for any damage by enemy action. The reply was that in principle the premium payable under the business insurance scheme was fixed at 30s. per cent. to cover the period from the outbreak of war until September 30, 1941. For reasons of practical convenience this amount would be collected at the rate of 10s. per cent. on separate policies for three successive periods, the first beginning on April 17, 1941, and the third ending on September 30, 1941. To obtain cover against war damage occurring on or after April 17, 1941, to goods falling within the business scheme, a company must take out a policy of insurance within thirty days of that date. Companies whose goods had sustained war damage before that date should, if they had not already done so, complete Form V.O.W.1 and send it to the Valuer of the Board of Inland Revenue for their district. Compensation for past damage would be paid so far as possible on the same basis as if insurance had been effected, subject to an appropriate deduction in respect of premium.

TOPICAL REFLECTIONS

Prospective Legislation.—An anxious time awaits us in considering the intended repeal of the Medicines Stamp Acts (p. 265). When a former Chancellor's intention to repeal these Acts two years ago was abandoned, the views of pharmacists were supported in Parliament by allies whose interests in the matter were not entirely identical with them. In the shaping of new legislation their interests may not take such allies, or many of them, far along the road that pharmacists wish to travel; and there is always the possibility of deleterious amendments being accepted by the two Houses. As Bagehot wrote in "The English Constitution" (1872): "It (Parliament) is sure to wedge some clause into the Act, such as that which the judge said 'seemed to have fallen by itself, *perhaps* from heaven, to the mind of the legislature.' . . ." I am not sure whether the Registering Board mentioned in your editorial article is identical with the Advisory Committee to the Commissioners of Customs and Excise proposed by two of the organisations submitting evidence to the Select Committee of 1935–36 (pp. 51, 92 of the Committee's report), or, indeed, whether it is intended that the Commissioners shall administer a new Act or not. On such points—and there are several of them—we need ample light before the Bill gets too far.

Curtailment.—An item in last week's parliamentary news (p. 262) affords cold comfort to owners of small businesses hard hit by war conditions. Replying to a debate in the House of Commons, the Parliamentary Secretary to the Board of Trade referred to a suggestion "that there should be no unfair competition and that there should be a guarantee of Government assistance to the owner of the family business who found himself in difficulty. It was clearly impossible," he commented, "for the Government to give any such guarantee." He forecast a time when "it would be necessary for some small shopkeepers to charge excessive prices as a result of their reduced turnover or they would not get a livelihood out of their little shops." Is it to be supposed that the public will consent to pay higher prices on this ground? The official view seems to be that "many small shopkeepers should realise their present stocks, invest the money in Government securities and find other jobs for the time being." The letter of "Owner" on p. 270 puts certain aspects of the problem very clearly. Amid the confusion of the situation when regarded nationally we may draw the conclusion that, while the funds raised for relieving cases of hardship are admirable as expedients, they cannot be regarded as a permanent solution, nor are they so intended. Circumstances vary so much from one locality to another that I, for one, look to neighbourly enterprise as affording the best chances of escape from tight corners.

An Election Problem.—Until the Privy Council has given a definite direction to the Council of the Pharmaceutical Society regarding the holding or postponement of an election this year (p. 265), comment may seem more or less hypothetical. I venture to record, however, my view (binding no one but myself) that loose talk about the "principle" of the suspension of this election being undemocratic is beside the mark. In the present national situation, and for some time to come, there are far more important matters to be decided than the continuance or cessation of the existing membership of this Council. Of late years some of us have grown so accustomed to regarding public bodies as possessed of unlimited funds that we fail to realise the cost in stationery and staff work of an election such as is under discussion. We are not told whether it is suggested that the scrutineers appointed for counting the votes should assemble at Derby; but in any case the holding of a Council election at the present juncture is somewhat of a luxury, and luxuries are not in favour now in responsible quarters.

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PROPRIETARY ARTICLES TRADE ASSOCIATION

Annual Meeting.—The forty-fifth annual meeting of the Proprietary Articles Trade Association was held in London on April 17, the president (Mr. J. D. Bohn) in the chair. The meeting confirmed certain resolutions, previously passed by the Council, modifying the Association's rules. The PRESIDENT, who moved the adoption of the annual report, touched on membership, purchase tax and the Prices of Goods Act; he said that, after being for so many years a liability, the Year Book and Protected List had become an asset. MR. P. F. ROWSELL seconded the motion, and MR. SKUES, who spoke in support, suggested that the extra revenue obtained from the Year Book might be devoted to the issue of a quarterly list of price revisions. He was supported by MR. J. MILNER, who expressed satisfaction at the proposal of the Chancellor of the Exchequer to repeal medicines stamp duties. MR. PRESTON suggested that comparative figures for the previous year might be available to members when considering the financial statement. The report and statement, summarised below, were then formally adopted.

Annual Report.—Membership of the Association has been well maintained. In the manufacturers' section there has been a decrease, several members having withdrawn either because the goods they marketed were imported and are not now available or (in the toilet and perfumery section) because the quota imposed under the Limitation of Supplies Order adversely affected their sales and profits. At the end of the year there were still 350 manufacturer members. In the wholesale and retail sections the position is practically unchanged. The imposition of the Limitation of Supplies (Miscellaneous) Order, 1940, necessitated negotiations (unfortunately unfruitful) between representatives of the Association and the Board of Trade to devise some plan by which the Order could be satisfactorily operated, particularly by the wholesale trade. When a further Order entailing a reduction to 25 per cent. in the quota for goods included in Class 16 was made, the Association endorsed representations made to the Board of Trade by other trade organisations asking for a modification of the drastic restriction. In view of the reply from the Board, reiterating the reasons why, in the national interest, no variation could be made in the Order, the Council decided that it would not be advisable or proper to pursue the matter further. When purchase tax proposals were in the provisional stage, the Council realised it was essential that a uniform procedure for any particular price-maintained article should be adopted. The Council considered that the best method would be calculation of tax on a "wholesale value" represented by the per dozen price for "smalls," irrespective of the quantity purchased by the retailer. This proposed procedure was submitted to the Customs Authorities and received their approval. Manufacturer members of the P.A.T.A. were then asked to furnish particulars regarding the application of the tax to the agreed wholesale value of their respective products. This information has been obtained and embodied in the Protected List for 1941, involving almost complete overhaul of the list. The Prices of Goods (Price Regulated Goods) Order, 1940, came into force on June 10. The Executive Committee decided to apply to the Central Price Regulation Committee for a ruling which would ensure recognition as "permitted prices" by the Central Committee of a list, based on the Association's Protected List and Year Book, of proprietary articles that had increased in price since August 21, 1939. The Association furnished the Committee with full particulars of price increases which had taken place and provided the Committee with all relevant information required, and subsequently the Association's representatives discussed with the deputy Chairman of the Central Committee various points connected with the application. At the time of preparation of the annual report, the application for recognition remained in abeyance. Improvement in the price-cutting position has continued, and a progressive decrease in the number of "cutters" has been noted. Scores of traders previously "stoplisted" for cutting have come to agreement with the Association and their names have been removed from the Stop List. Many price-cutting shops have been closed down and a large number destroyed or damaged by enemy action. The Association's price-maintenance and investigation work has been kept up where necessary. The Association's offices in London were damaged by enemy action in September 1940; through the kindness of the National Pharmaceutical Union temporary accommodation had been provided in Queen Square, and, later, emergency premises at Bedford, previously held in reserve, were made the Association's administrative headquarters. The decision reached in 1939 that, owing to war conditions, the annual election to the Council should not be held in that year was continued for another year by a resolution of the Council. Accordingly the term of office of all members of the Council has been extended by another year. The Income and Expenditure Account for the year shows that income exceeded expenditure by £615. Subscriptions from the manufacturers' section showed a decline of £221, and from the wholesalers of £25. In the retail section there was an increase o £56 in subscriptions. Expenses connected with the investigation o price-cutting have decreased.

Council Meeting.—A meeting of the Council was also held or April 17, the president (Mr. J. D. Bohn) in the chair. The presiden referred to the loss, through death, of Mr. George R. Hunt, who fo many years had represented John Steedman & Co. on the manu facturers' section. A resolution of sympathy was passed. Th Council received a report on the interview which the presiden and Mr. Marns, with the secretary, had had with the chairman o the Central Price Regulation Committee on the Council's applicatio for recognition of the protected list as a list of "permitted prices" under the Prices of Goods Act. The Central Committee had exam ined figures and costings relating to a representative selection o articles included in the P.A.T.A. List that had been increased i price since August 1939, and had expressed their concern at th apparent failure of certain manufacturers to observe the condition laid down by the Act when revising prices. The Central Committe had thought it desirable that all manufacturer members of th Association should again be advised of the requirements of the Act and should be reminded that non-observance might involve seriou trouble to the retail seller, to the manufacturer, or to both. Follow ing the interview a memorandum had been prepared and sent t all members of the manufacturers' section (see below). The Centra Committee had also suggested that manufacturers who made o had made increases in the prices of P.A.T.A. goods should furnis the Association with a certificate to the effect that the goods ha been priced in accordance with the provisions of the Prices of Good Act. In the meantime, the application for recognition of th Association's list remained under consideration. The Counc discussed various trade difficulties resulting from operation of th Limitation of Supplies Order, particularly complaints that operatio of the quota system in connexion with Class 16 goods had not bee equitable, but considered it was outside their power or provinc to intervene. The report on price-maintenance work during th quarter showed that the general decrease in price-cutting had bee progressively maintained. Only fifteen new cases of price-cuttin had been reported since January. On the other hand, there ha been an unusually large number of applications from "stoplisted traders, including many traders formerly classed as "persisten price-cutters," for removal of their names from the list. The busines premises of fifty-six traders whose names appeared on the Stop Li had been closed, in addition to a considerable number closed destroyed through enemy action.

Memorandum.—The memorandum to members of the manu facturers' section, referred to above, included the following:—

The provisions of the Prices of Goods Act apply to practically a proprietary articles included in the P.A.T.A. Protected List. Th Central Price Regulation Committee, having examined figures an costings relating to a representative selection of articles include in the P.A.T.A. List which have been increased in price sinc August 21, 1939, have expressed their concern at the apparen failure of certain manufacturers, members of the Association, t observe the conditions laid down by the Act. The principle of th Act is that no trader may make a larger sum of money as net prof per article than he was making on August 21, 1939. The manu facturer of a proprietary article who finds it necessary to increas the price to the trade of that article must ascertain his total cos for the article in 1939 and then deduct those costs from the pric he charged to the trade; he then works out his total current cos and adds to the figure obtained the same profit margin he previousl obtained. For proprietary price-maintained goods included in th P.A.T.A. List it has always been the custom for the manufacture of such goods to fix the price charged (*a*) by the wholesaler to th retailer and (*b*) by the retailer to the public. To enable this procedu to be continued without possible breach of the Prices of Goods Ac the Central Price Regulation Committee has agreed that cos and selling prices may be calculated on the basis of an averag wholesaler and an average retailer.

Protected List.—The P.A.T.A. Protected List and Year Bool 1941, has just been issued. Practically every item has been re-s to give details of purchase tax and the compilation has involved th P.A.T.A. staff in heavy work. The procedure adopted in compilin the new list is to show: (1) basic retail price (i.e. retail price le purchase tax); (2) standard wholesale price (i.e. wholesale value o which purchase tax is calculated); (3) rate of purchase tax per doz and (4) new retail tax-inclusive price.

TRADE NOTES

BETAXAN.—Bayer Products, Ltd., Africa House, Kingsway, London, .C.2, announce that in view of the trend in medical circles towards larger sage of Vitamin B_1 it has been decided to issue 3-mgm. Betaxan tablets well as 1-mgm. tablets, and to raise the strength of Betaxan ampoules 5 mgm. and 25 mgm. There has been no increase in price.

SNAP CLOSURES.—A list of provincial, Scottish and Northern Ireland presentatives of the Snap vacuum closures, which fit 2-lb. jam jars, is ven in an advertisement by the makers, Graham Farish, Ltd., Trade ept., C. & D., Bromley, Kent. in this issue. The Snap closure, of which

000,000 are stated to have been sold last year, is packed in cartons of elve lids, twelve rubber rings, and six clips, with labels and instructions; rtons of fifteen rings and caps, with labels; and spares cartons of twelve gs; six clips; or twelve caps. The method of use is illustrated.

LARGER SIZES WITHDRAWN.—In order to obtain the widest distribution toilet specialities affected by the Limitation of Supplies Order, Inter-tional Chemical Co., Ltd., Braydon Road, London, N.16, have with-awn, for the duration of the war, the larger sizes of Lavona hair tonic lue label); Reudel bath salts, and Tiz bath tablets. The large size of ne French cleansing milk, of which the company are distributors, has so been withdrawn.

PLASTICS EXPORT CATALOGUE.—The Plastics Export Group has issued illustrated catalogue of moulded plastic articles. The letterpress is in ur languages—Spanish, Portuguese, French and English. The goods umerated represent the manufactures of the forty-five firms in the port Group. Overseas readers may obtain a copy on application to e Secretary, Plastics Export Group, 11–12 Pall Mall, London, S.W.1, d they are also available to firms in this country, price 5s. 6d. per copy.

RED CROSS FUND CONTRIBUTORS.—Following a recent "blitz," em-yees of The Westminster Laboratories, Ltd., Palmer Street, London,

C.4, began their day by signing on as contributors to the Red Cross nny-a-Week Fund.

CREEP-RESISTING STEELS.—Hadfields, Ltd., Hecla Works, Sheffield, ve published an illustrated brochure on their high creep-strength steels use at temperatures up to 550° C. These steels are recommended for h-temperature steam boiler and power plant, superheater tubes, auto-ves, reaction chambers for synthesis and hydrogenation and other types chemical plant. Details of the company's carbon-molybdenum and omium-molybdenum steels are also given in the brochure, copies of ich may be obtained on application.

PHOTOGRAPHIC FINE CHEMICALS.—Elsewhere in this issue are advertised P.A.C. range of fine chemicals for photographic purposes. These are nufactured by Photographic Accessories and Chemicals, Ltd., Epsom, rrey, and distributed by Minox, Ltd., 5 Victoria Street, London, S.W.1. ey include among others developer improvers; developers (including a colour developer); a desensitiser; a hardener; and other specialities under branded names. Display matter and counter literature are available from the distributors.

Business Changes

WOODLANDS (CHEMISTS), LTD., and A. H. PRICE (WHOLESALE CHEMISTS), LTD., have transferred to new offices and warehouse at 2 Lowther Road, Holloway, London, N.7. (Temporary telephone: North 2444.)

HERBERT FERRYMAN, LTD., are transferring their proprietary and sundries departments to Cobden Bridge, Southampton. Except for country orders usually delivered on Thursdays, no deliveries are being made from these departments on May 1, 2 and 3. As the company's mail is collected from a G.P.O. Box, it is not necessary to make any alteration of address on order forms or other correspondence.

Proprietary Articles Trade Association

Addition to Protected List.—*A. S. Cartwright, Ltd.*, Holdfast soother, C.199, 4d.; 32s. gross. (Exempt from purchase tax.)

Correction.—*Kay Bros., Ltd.* Prices of 12s. size Kay brand linseed compound on pages 148/149 of the P.A.T.A. Year Book for 1941 have been inserted in error under terms for 20s. and 50s. lots respectively. This size has been discontinued.

PERSONALITIES

MR. L. G. MATTHEWS, Ph.C., has been appointed secretary of The Wellcome Foundation, Ltd.

MR. JOHN THOMAS, M.P.S., Machynlleth, North Wales, has been elected chairman of the local Urban District Council.

SIR WALROND SINCLAIR, chairman, British Tyre & Rubber Co., has been appointed by the Ministry of Supply to be rubber controller.

MR. T. P. DAVIES, J.P., M.P.S., Park Crescent, Llandrindod Wells, has been elected chairman of the local Urban District Council.

MR. T. WYNNE THOMAS, M.P.S., Dyfi Pharmacy, Aberdovey, North Wales, has been elected chairman of Towyn-Aberdovey Urban Council.

DEATHS

BLAIR.—Recently, Mr. Dugald Blair, M.P.S., Holland Villas Road, London. Mr. Blair qualified in 1893, was for forty years on the staff of Squire & Sons, Ltd., Oxford Street, London, W.1, and retired only shortly before his death.

CARROLL.—Recently, as a result of enemy action, Mr. Thomas William Carroll, Ph.C., Alexandra Park Avenue, Belfast. Mr. Carroll qualified in 1936.

CRADDOCK.—Recently, Mr. Charles Harold Craddock, 9 Parkfield Road, Cheadle Hulme, Cheshire. Mr. Craddock qualified in 1920.

FURNESS.—Recently, Mr. Walter Furness, M.P.S., for many years in business at Woodlands Road, Lytham St. Anne's, aged seventy-four.

GREENING.—Recently, Mr. George Frederick Gregory Greening, M.P.S., 73 Osnaburgh Street, London, N.W.1, aged seventy-three.

GRUBB.—Recently, Mr. Leopold Henry Grubb, M.P.S.I., Waterford. Mr. Grubb, who qualified in 1898, was principal of George White & Sons, chemists, O'Connell Street. He was a former president of the Waterford Chamber of Commerce.

JACK.—At 6 Alexandra Place, Arbroath, on April 22, Janet Cables, the wife of Mr. James Jack, J.P., a member of the Council of the Pharmaceutical Society.

POWELL.—On April 3, Mr. E. T. Powell, who for twenty-eight years was with J. B. Hay & Co. chemists' sundriesmen, Frith Street, London, W.1.

RIPPON.—Recently, Mr. John Rippon, M.P.S., 24 Loughborough Road, Brixton, S.W.9. Mr. Rippon passed the Minor examination in 1914.

STURMAN.—Recently, Mr. Walter Eric Sturman, M.P.S. (Perry & Sturman, chemists), Coventry, aged twenty-nine.

WARD.—At his home, "Red Roofs," Booths Lane, Lymm, Cheshire, on April 26, Mr. Percy Douglas Ward, a director of Thomas Ward & Sons, Ltd., Sheffield.

WESTMORELAND.—Recently, Mr. William Henry Westmoreland, M.P.S., 311 High Street, Chatham, aged seventy-five.

RECENT WILLS

MR. FREDERICK GEORGE HOWARD, 14 Bridge Court, Taplow, Bucks (formerly a director of Titterton & Howard, Ltd., brush and toilet requisites manufacturers), who died on January 17, left estate of the gross value of £19,217, with net personalty £6,549.

MR. CHARLES HOPKINSON THORNTON, 10 Albion Hill, Exmouth, retired pharmacist, who died on February 4, left estate of the gross value of £6,553 with net personalty £4,738. After making a number of bequests he left the remainder to the Pharmaceutical Society of Great Britain and to Exmouth Hospital.

MRS. MARY EMILY BLAIN, 368 Wellington Road North, Heaton Chapel, Lancs, who died on November 20, 1940, widow of Mr. Alfred Lucas Blain, Ph.C., left £6,006 with net personalty £5,943. Among the bequests are £2,500 to Manchester Victoria University to found a scholarship in pharmacy and subjects allied thereto, to be called the "Alfred Lucas Blain Memorial Scholarship," and £100 each to the British Pharmaceutical Society's Benevolent and Orphan Funds.

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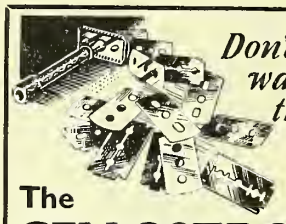

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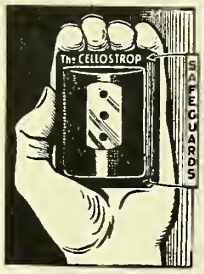

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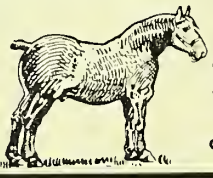

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Protection for Debtors

WHAT would be the legal position of a trader who, as a result of war-time hardships, was obliged to close his business and realise his stock, if he found himself under some liability to his landlord to continue the rent? The question was answered by the Solicitor-General during the second reading of the Liabilities (War-Time Adjustment) Bill in the House of Commons on April 24. Obviously the trader could continue to pay his rent or, for that matter, his rates and taxes, but only at the expense of dipping into capital acquired by realisation of stock. He would thereby deprive himself of the opportunity of restarting his business after the war, a circumstance which the Bill is designed to prevent. Clause 3 (1, *b*) of the Bill provides that application may be made to the courts by the trader for adjustment and settlement of his affairs if he, being required to pay his debts and to meet his future liabilities, can show that, owing to war circumstances, he is unable to carry on his business at all, or would lose the means of restarting it. The Solicitor-General pointed out that the intention underlying the clause was not merely to deal with insolvency, i.e. inability to pay debts, but also with the impossibility of paying debts except by using resources that would later be required for restarting business.

Under the Bill it is proposed to appoint officials who will be described as "liabilities adjustment officers" and whose function will be to advise and assist debtors in coming to an equitable and reasonable arrangement with their creditors. Any person who is in serious financial difficulties owing to war circumstances may apply to a liabilities adjustment officer for advice and assistance in arriving at an arrangement that will enable him, if he carries on a business—or would, but for war circumstances, be carrying on a business—to preserve the business or recover it when circumstances permit. Notice will be given of any scheme proposed to all creditors who have provable debts, and if both they and the debtor agree to it, the liabilities adjustment officer will give the scheme his approval. If, however, he is unable to secure an agreed scheme, he may approve any scheme which seems to him to be equitable and reasonable, and to which the debtor and the majority in number and in value of the creditors assent. A scheme approved under this section of the Bill may provide for the composition of debts, postponement of debt payments, assignment or charging of the debtor's property in favour of the creditors, and for the management or disposal of the debtor's business. The scheme may be amended or revoked by the courts in certain cases. If a trader would lose his means of livelihood if required to pay his debts and meet his future liabilities as they fall due, the court might make a "protection" order, which is, in fact, a standstill order. The operative order, however, is called a liabilities adjustment order, and under it the court could except certain properties from the necessity of realisation for debt payment, and could provide for the maintenance of the debtor and his family.

Man-power in Pharmacy

THE recent alteration in the Schedule of Reserved Occupations which has rendered pharmacists under the age of thirty liable for service in the armed Forces, will call for drastic reorganisation in retail business. When addressing the Branch representatives on April 16, the president of the Pharmaceutical Society said "it was anticipated that something like 8,000 men will be taken out of pharmacy and there may be less than one pharmacist per pharmacy in retail business." There were on the Society's Registers in December 31, 1940, 24,921 persons (pharmaceutical chemists 1,611; chemists and druggists 23,310) compared with 15,387 in 1931 and 15,650 in 1932. If it is assumed that there are 25,000 names on the Register at the present time there would be approximately 9,500 who could be called up for service. It is generally considered that 80 per cent. of pharmacists are engaged in retail trade, i.e. at the present time, approximately 20,000, so that the same percentage of those who would be taken from retail business would be 7,600. There are about 15,000 pharmaceutical businesses in the country, consequently the number of chemists remaining to take charge of them will be 12,400—a serious position.

It is to be hoped that in the negotiations between the Central Pharmaceutical War Committee, the Ministry of Health and the Ministry of Labour, the first-mentioned will bear in mind the important part being taken in looking after the health of the community by the private pharmacist in business—there are quite a large number of military age in business for themselves. There is, in fact, an obligation on the part of pharmacists' representatives to do all in their power for these private owners since it was on the advice of the Pharmaceutical Society and Government departments that so many of them have not already joined the armed Forces or played a still greater part in the Civil Defence Services. We know that some have disregarded the advice to stay in their pharmacies, but many more have loyally abided by it—possibly, now, to their disadvantage, for it is reasonably certain that 8,000 pharmacists cannot be absorbed in the R.A.M.C. as it is at present organised. To put into a combatant unit a man who has spent some four or five years in qualifying in pharmacy, and had further years of practical experience in his profession, is sheer waste of man-power. His skill and knowledge should be available where the greatest use can be made of it. The number of apprentices or students registered in 1939 was 651 and in 1940 639; it is reasonable to assume, therefore, that some 600 names will be added to the Society's Registers in the next twelve months (788 passed the Chemist and Druggist Qualifying examination last year). Will all these young pharmacists, male and female, be absorbed in national service in one form or another?

If we put the maximum requirements of the Forces in dispensers at 4,000, it seems that some 4,000 pharmacists will be drafted to serve in the rank and file where their qualifications will be wasted. The Ministry of Health and the Hardship Committees might well consider the question whether the pharmacist who is not required to serve in his professional capacity in the Forces is not likely to be of more value to the nation if he is allowed to continue in his civil occupation, having regard to the fact that a pharmacy cannot be carried on without at least one pharmacist being employed therein.

Lost Time in Industry

LABOUR wastage, absenteeism and unpunctuality in industry are serious problems in normal times, but in war-time their cumulative effect may be such as to make a vital difference to the national war effort. Suggested remedies for some of these industrial ills are put forward in the current issue of "Occupational Psychology," published by the National Institute of Industrial Psychology. It is suggested, for example, that the effects of absenteeism and unpunctuality can be minimised in one of two ways, either by improving attendance or by adjusting the factory organisation, so that bad attendance does less to hinder production. In one factory in which the second method was employed, reserves of labour for all key positions were organised, "understudies" being specially trained to be ready to replace skilled operatives, though employed normally on tasks that could be postponed. Where there is no reserve of labour to be tapped and the work is urgent, appeals to the patriotism and generosity of the workers becomes necessary. Such appeals, it is stated, never fail to have an immediate response in improved attendance. Several methods of appeal are suggested, e.g. slogan competitions, giving a goal to be reached in a short period, or by stimulating competition between shifts. In some firms, where a bad habit of unpunctuality has developed owing to war conditions, surprisingly good results are stated to have been achieved after a few weeks of a "punctuality drive." In one instance, where thirty per cent. of the workers were ten minutes or more late and seven per cent. of the whole were over half an hour late, only four per cent. were even four minutes late during the punctuality drive.

THE FUTURE OF PROPRIETARY MEDICINES

by Adest

IT may be taken for granted that regular readers of THE CHEMIST AND DRUGGIST are familiar with the history of proprietary medicines in their legal aspect, and have some means of refreshing their memories when necessary. The latest treatment of the subject on a comprehensive scale is to be found in *The Chemist and Druggist Diary*, 1938 (pp. 277-300): this compendium has no doubt been in request since the publication in the *C. & D.* of April 12 (pp. 236-37) of a memorandum on the Medicines Stamp Acts and the proposed abolition of certain duties, submitted to the Chancellor of the Exchequer by the Proprietary Association of Great Britain with the concurrence of the Pharmaceutical Society, the National Pharmaceutical Union, the Scottish Pharmaceutical Federation, and the Wholesale Drug Trade Association. In reading this memorandum and the draft Bill attached to it, two points of fundamental importance emerge.

The Form of New Legislation.—The first of these points is the form that new legislation should take. (I am not referring here to the question raised in the memorandum whether the draft Bill referred to "should be an independent one-clause Bill or could form part of a Finance Act"; that is a question for the authorities concerned.) Obviously, a change of this magnitude cannot be effected in the same casual way as a deal at a market stall; nor will all the problems arising from the Acts now in force come to an end with the disappearance of those Acts and the duties imposed under them. One sentence in the evidence submitted to the Select Committee on Medicines Stamp Duties of 1935-36 by the Pharmaceutical Society may be cited as formulating the guiding principle that should be adopted: "The Society regards it as important that the medicines to be taxed shall be clearly defined and that the definition shall be statutory and not capable of amendment by departmental rule." If this principle is not adopted, one of two things will happen: the Government department, whichever it is, entrusted with the administration of a new Act will either inherit from the Board of Customs and Excise the present set of rulings, minus a few deletions, or must evolve a new set. Let it be frankly recognised that the Board of Customs and Excise has, since it took over the administration of the existing Acts from the Board of Inland Revenue in 1909, carried out its duties with conspicuous fairness. The course of events, however, has brought rulings savouring of casuistry, of illogical discrimination, as the solicitor to the Board admitted by implication when giving evidence before the Select Committee in 1936. In a new Act such rulings should be systematised and, so to speak, smoothed out, sometimes in the text of the Act itself but more frequently, perhaps, in a schedule or schedules.

When one turns to the memorandum and the draft Bill, it does not appear that much has been done in this direction. It may be supposed, for instance, that the substances mentioned under heading (1) of the draft Schedule could be recommended by unqualified persons for use in any ailments they select, thus constituting a new class of known, admitted and approved remedies. The definitions in this group of substances needs emendation. Does the expression "single drugs of vegetable origin" comprise all such drugs prepared for sale by the usual commercial processes, including powdering? Does it exclude poisons? (It is no answer, when legislation is in prospect, to say "Of course it does.") Are extracts, solid and liquid, of single vegetable drugs classed under this heading? Under the present régime the term "entire drugs" (officially called "pure drugs") is liberally interpreted: is this interpretation to continue? Turning to heading (2), will saline powders and crystals rank as "spa waters or mineral water"? More of such problems will call for solution than can be indicated here. Among them are the status of medicated foods, medicated wines, powders for fumigation, bath salts and tablets, germicides, medicinal lozenges, imported medicines, samples, snuffs, soaps. Advertising to registered pharmacists should, as a matter of equity, be put on the same footing as advertising to registered medical practitioners. The compulsory supervision of a chemist on the premises of manufacturers and wholesalers must be either continued or abolished. The use of such phrases as "Head and Stomach Pills" must be regularised. The *C. & D. Diary* list of ailments, or a similar one, must be recognised as binding. And the offering for sale of preparations as resembling, or as substitutes for, named proprietary articles must receive attention.

The Unqualified Vendor.—The second point emerging from a reading of the memorandum is the future of the unqualified vendor. It is proposed that every such person shall be granted the same privileges of sale as authorised sellers of poisons (including firms and bodies corporate) and registered medical practitioners if, at the time of the passing of the new Act, he is in business on his own accoun as a seller of drugs or medicines. This is quite unsatisfactory. A unqualified vendor answering to the description just given ma perhaps ask: "If persons who had sold only drugs and medicine for three years before the passing of the Act of 1783 were allowe to rank as qualified persons, and if all who have served a regula apprenticeship in pharmacy have for many years past been similarl recognised by the authorities, why cannot the present exemptio remain?" The answer is plain. Modern legislation distinguishe clearly between the qualified and the unqualified. An exemption c this kind is now an anachronism: it dates back to a time whe there was no statutory examination entitling to registration as chemist and druggist, and when the serving of a seven-years apprenticeship and the return of the indentures by the apprentic master were recognised as conferring a right to open in business Precedents for the course I suggest are found in the Dentists Act 1921, and the Pharmacy and Poisons Act (Northern Ireland), 192 Chemists are fair-minded, and would not willingly create hardship But with the death of any unqualified trader or the extinction of hi business this privilege of the unqualified should end, a sufficien period being allowed for the realisation of the assets; and as fro the date of the passing of the Act no new business of the kind shoul be allowed to be opened. This brief discussion of the situation doe not profess to be exhaustive. It may be added that it will be safeguard if the phrase "to supply or sell or offer for sale by retail in the draft Bill is followed by the words "or dispense."

INDUSTRIAL CONCENTRATION

SCHEMES for the concentration of industry and their effect on reta trade are now being urgently considered by the Cabinet. Th President of the Board of Trade announced on April 29 that th latest dates for submitting voluntary schemes for certain industri have been fixed as follows:—

May 17	May 24	May 31
Toilet preparations.	Plastics. Combs.	Cutlery. Corsets.
Photographic goods.	Hosiery.	Leather goods. Brace

It is understood that voluntary schemes of concentration coverin a substantial percentage of the labour force in this group hav already been submitted. Subject to modification in detail, th schemes are likely to be approved. The announcement furth stated:—

"There has been some misunderstanding about the position small firms in relation to concentration of production. Arrangemen between small firms are welcomed and are considered on exactly th same basis as arrangements between large ones. But large ar small firms alike not making these arrangements will have to fa certain consequences: their labour will in many cases have to b taken for munitions or for the armed Forces; wherever there is shortage of raw material its preferential allocation to nucleus firm and firms grouped with them will mean that the whole effect this shortage is felt by the other firms; and consequently the polic of the Government will be to direct requisitioning to their premise The difficulties attending a forced concentration of a large numb of very small firms are very great and where these arrangemen are not made on a voluntary basis firms that have not been co centrated will have to stand the burden of decreasing turnov without the compensating advantages of concentration."

Retail Trade.—It is understood that Captain Lyttelton w shortly announce Government proposals to enable the retail tra to meet the situation which has arisen through concentration industry on war production. The Government scheme will facilita mergers between shopkeepers and a general telescoping of t retail trade. Extensive closing of shops is not thought likely.

A MEETING of the West Ham and Eastern District Association Pharmacists will be held at the Red Triangle Club, Greengate Stree Plaistow, London, E., on May 8, at 2.45 p.m. An address will given by Mr. Arthur Mortimer, O.B.E., on "Conditions in Pharmacy

THE HOSPITAL PHARMACIST.—Under the title "The Pharmaci in Hospitals," an eight-page pamphlet has been published by t Council of the Pharmaceutical Society in collaboration with t Guild of Public Pharmacists. The pamphlet, which sets out show how the employment of pharmacists in the pharmaceutic departments of hospitals ensures a high standard of efficiency those departments, describes the pharmacist's training, statuto privileges, potential services to hospitals and local authorities, a matters subsidiary to these subjects.

CHEMISTRY OF THERAPEUTIC SUBSTANCES

by F. Prescott, M.Sc., Ph.D., A.I.C., L.R.C.P., M.R.C.S.

II.—Parasympatheticomimetic Drugs

Parasympathetic Nervous System.—As explained in the previous rticle of this series, the activity of glands, organs and blood vessels under the control of the autonomic nervous system, which consists f two sets of nerves, the sympathetic and the parasympathetic. Unlike those supplying ordinary muscles, these nerves are involunary, i.e. they cannot be made to operate at will. Generally peaking, stimulation of the parasympathetic nerves dilates the lood vessels; slows the pulse and inhibits the action of the heart; ontracts the pupils; increases the activity of secretory glands; ugments the movements of the stomach, intestines and bladder; nd constricts the bronchial muscles. As far as hollow organs such s the stomach, bladder and intestines are concerned, the sympathetic erves are the "filling" nerves and the parasympathetic the "emptyg" nerves. A new conception of the mode of action of the autoomic nerves has recently been developed. It has been demonrated that a sympathetic nerve impulse reaches a gland or organ ot as a result of a direct physical process, but by the liberation at e termination of the nerve of a minute quantity of adrenaline, hich brings about a definite stimulus, augmenting or inhibiting e action of the organ or gland. Similarly it has been shown that e parasympathetic nerves act not by transmitting a physical imulus, but by causing the liberation of a specific hormone, etylcholine, at their terminations. Drugs producing actions in e body similar to those produced by stimulating the parasymthetic nerves are said to be parasympatheticomimetic or cholingic, since they resemble acetylcholine pharmacologically.

Acetylcholine.—This produces in any organ almost exactly the me effects as are produced by stimulating the parasympathetic rvous system, and it can produce those effects in very minute antities. Thus it can be detected physiologically in a concentraon of 1 part in 5,000 million. Chemically acetylcholine is

$$(CH_3)_3 \equiv \underset{\underset{OH}{|}}{N}.CH_2CH_2.O.CO.CH_3$$

e acetyl ester of choline. It is an unstable compound, being readily drolysed in an alkaline medium to choline and acetic acid. In the esence of blood or extracts of most tissues hydrolysis occurs rly rapidly owing to the presence of an enzyme known as cholinterase. As this is normally present in tissues the action of acetylline is evanescent, whether the compound is produced either in sponse to parasympathetic stimulation or is injected into the body. ke adrenaline it is physiologically inactive by mouth owing to e hydrolytic action of the gastric and intestinal juices. The action the cholinesterase in the blood can be inhibited by other parampatheticomimetic drugs such as physostigmine (eserine) or stigmin, which therefore prolong the activity of acetylcholine the body. Choline, which is also a constituent of lecithin, is rasympatheticomimetic in action, but it is not as powerful as tylcholine, e.g. its action on the intestine is only about 1/1,000th t of the latter. Acetylcholine has a powerful vasodilator action, t is, it dilates blood vessels. It has therefore been used in periral vascular diseases associated with spasm or narrowing of the od vessels (intermittent claudication, thromboangiitis obliterans, ynaud's disease) but owing to its evanescent action it has been laced by more stable cholinergic drugs.

Choline Derivatives.—Methylacetylcholine and bromocholine e been used clinically, but they present few advantages over tylcholine. Carbaminoylcholine chloride (carbachol, doryl):—

$$(CH_3)_3 \equiv \underset{\underset{OH}{|}}{N}.CH_2.CH_2.O.CO.NH_2$$

embles acetylcholine, but differs from it in possessing an amino up in place of a methyl group. Pharmacologically it resembles tylcholine, but it is far more stable in solution. It is not affected heat in solution and is more resistant to hydrolysis than the tyl compound, so that it can be administered orally. The addinal amino group potentiates the parasympathetic action; weight weight it is ten to twenty times as active when injected as acetylline. Since it resists the action of cholinesterase in the body its ion is also more prolonged than that of acetylcholine. When cted, carbachol produces a rapid fall in blood pressure, an rease in pulse rate, flushing and a feeling of warmth throughout body. This is because of its effect in dilating the blood vessels. e acetylcholine it has been used in the treatment of high blood ssure and intestinal atony. It is also effective in promoting turition in cases of post-operative retention, and for lowering the intra-ocular tension in glaucoma. Acetyl-β-methylcholine chloride (mecholyl):—

$$(CH_3)_3 \equiv \underset{\underset{OH}{|}}{N}.CH_2.CH(CH_3).O.CO.CH_3$$

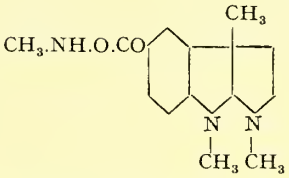
closely resembles acetylcholine. Like carbachol it is far more stable and less readily hydrolysed than the acetyl compound, so that it is effective orally as well as when injected. It increases the pulse rate, increases intestinal peristalsis and tone, constricts the bronchi, dilates the blood vessels and produces salivation. It has been found that better results are obtained in some cases by administering acetyl-β-methylcholine chloride by means of iontophoresis, i.e. by means of the galvanic current. A pad soaked in a solution of the compound is placed over the part to be treated and covered with a strip of metal foil, which forms the positive pole of the apparatus. The negative pole is a strip of metal applied over a pad soaked in saline and placed on the patient's back. A current of 40 to 50 milliamps is applied for fifteen to twenty minutes. This treatment produces a far more powerful dilatation of the blood vessels than when the substance is given orally or by injection.

Numerous choline ethers have been prepared, e.g. methyl-, ethyl-, butyl- and propionyl-choline, but they are pharmacologically less active than acetylcholine. A choline derivative has been prepared by methylating the hydroxyl group attached to the nitrogen atom and replacing the terminal hydroxyl group by a bromine atom. This gives trimethyl-methoxy-propanyl ammonium bromide (esmodil):—

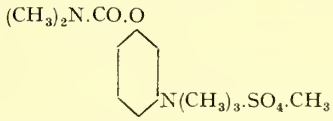
$$(CH_3)_3 \equiv \underset{\underset{OCH_3}{|}}{N}.CH_2.CH_2.Br.$$

which is used as a 0·3 per cent. solution as a parasympathetic stimulant, particularly in intestinal atony and retention of urine.

Physostigmine and Analogues.—Physostigmine or eserine is the chief alkaloid of the calabar or ordeal bean. Chemically it is derived from a benzene ring and two pyrrole rings as shown in diagram. The principal parasympathetic effects of physostigmine are its constrictor action on the pupil, the increase of glandular secretions, and the powerful peristaltic contractions produced in the stomach, intestines and bladder. It is used to reduce intra-ocular pressure in glaucoma, to neutralise the mydriatic effect of atropine, and to relieve intestinal atony.



Stedman examined a large number of synthetic compounds related to physostigmine, and he discovered that the parasympathetic activity of the latter depends upon the methyl carbamic ester grouping, $CH_3.NH.OC.O$, attached to the benzene ring. Simpler compounds were then prepared resembling physostigmine but without the pyrrole rings. It was finally shown that all compounds of the general formula $R.NH.OC.O.C_6H_4.R'$ had a physostigmine-like action, R representing an alkyl group (e.g. methyl or ethyl) and R' a tertiary amino group—$N(CH_3)_2$. The activity was greatest when R was a methyl group. A number of methyl carbamic esters of different phenols were prepared and found to have an action similar to that of physostigmine. Aeschlimann and Reinert continued the work of Stedman and prepared a long series of derivatives with a view to obtaining a compound resembling physostigmine in its stimulating action on the intestines, but without any appreciable effect on the heart, secretions, or eyes. The compound finally selected was the dimethyl carbamic ester of *m*-hydroxyphenyl trimethyl ammonium bromide (prostigmin) (see diagram) which is less readily hydrolysed than physostigmine and is therefore more stable in solution. It has been used extensively as a parasympathetic stimulant, particularly in the treatment of intestinal atony. More recently it has been employed in the treatment of a disease known as myasthenia gravis with considerable success. The activity of prostigmin has been attributed to its property of inhibiting the activity of cholinesterase, thereby prolonging the action of the acetylcholine liberated in the body. Prostigmin also potentiates the action of other cholinergic drugs such as acetyl-β-methyl-choline chloride. Another of Aeschlimann and Reinert's compounds is the methyl phenyl carbamic ester of *m*-hydroxyphenyl trimethyl ammonium methyl sulphate. This is stated to be more effective in myasthenia gravis than prostigmin.



TRADE REPORT

Spot quotations recorded for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergenc

28 Essex Street, W.C.2, April 30

CONDITIONS in most markets during the past week have been rather quieter than recently. The general tone, however, is steady, and some changes in the values of natural products are recorded. Most of the business seems to be coming from the consuming trades. In PHARMACEUTICAL CHEMICALS, demand has been quiet but steady, with no price changes of importance notified by makers or dealers.

Crude Drugs

A rather poor week is reported in most drugs, but interest has attached to a few items. The tone is steady, and spot stocks of some items are low. There is a persistent demand for AGAR, though spot supplies are poor and high prices are asked. Demand for Curaçao ALOES, which is short, is good, and poor for the Cape, which is plentiful. BALSAM TOLU is reported firmer; other BALSAMS are unchanged. BENZOIN is firm, and sales are steady. Quite good business is passing in BISMUTH METAL. New-crop BUCHU is quoted a shade dearer for shipment. There appears to be little CASCARILLA left on spot, but further supplies will probably be available in the near future. Spot prices of CLOVES show a small increase on the week. Interest in COLOCYNTH seems to have declined. DERRIS ROOT is attracting some attention, and better business has resulted. ERGOT, which has been remarkably stable for some time, is now reported to be showing a firmer tendency. Spot and forward quotations for Sudan GUM ACACIA are higher. Spot stocks of IPECACUANHA are becoming low. Spot quotations for NUTMEGS are nominal. PEPPERS are now quiet, with values showing a fractional decline on the week. PIMENTO is quoted rather dearer on spot. Although it appears to be too early for offers of new-crop SENEGA, some shipment business is understood to have been done. The market is now reported bare of supplies of Indian SQUILL, but further supplies are expected.

Essential Oils

Trade in these products has been quiet, with most of the business consisting of moderate sales to regular consumers. ANISE (STAR) is in fair demand, and spot values are firm. CANANGA is quoted at a figure slightly over that recorded last week. Firm conditions obtain for CASSIA, and spot stocks are low. CLOVE is firm, and quotations are at the higher levels recorded recently. GRAPEFRUIT is firmer and dearer on spot. There are no changes in the controlled prices for GROUNDNUT, LINSEED, and OLIVE. LEMONGRASS is a firm market, with spot dearer. Chinese PEPPERMINT has again been in good inquiry; spot stocks are inadequate to meet the demand, but further supplies are expected.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

Centre	Quoted	Par	April 23	April 30
Belgian Congo ..	Francs to £	nominal	176⅝*	176⅝*
Buenos Aires ..	Paper pesos to £	—	17·04⅜*	17·04⅜*
Java	Florins to £	12·107	7·60*	7·60*
Lisbon	Escudos to £	110	100·0*	100·0*
Madrid	Pesetas to £	25·24½	40·50 official 46·55 voluntary	40·50 official 46·55 voluntary
Montreal ..	Dollars to £	4·86⅔	4·45*	4·45*
New York ..	Dollars to £	nominal	4·03*	4·03*
Shanghai	Per dollar	—	3 3/16d.	3 3/16d.
Stockholm ..	Kroner to £	18·150	16·90*	16·90*
Yokobama ..	Per yen	2s.	1s. 1¾d.	1s. 1¾d.
Zurich	Francs to £	22·2115	17·35*	17·35*

* Rate fixed by Bank of England. Bank rate, 2 per cent.

Pharmaceutical Chemicals

ACETANILIDE.—Prices steady and unchanged, demand fair. B.P.C. crystals and powder, spot, about 2s. 4d. to 2s. 6d. per lb., according to quantity.

AMIDOPYRINE.—Dealers' prices firm; inquiry fair. Crystals, one-cwt. lots, about 28s. 6d. per lb.; smaller quantities, up to about 32s. per lb.; powder, 3d. per lb. extra.

ASPIRIN.—Makers' scales of prices continue steady, as follows:—

Quantity	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb. and under 4 lb. ..	3 10½	3 9	—	—	—	—
4 lb. and under 7 lb. ..	3 9½	3 8	3 7¾	—	—	—
7 lb. and under 14 lb. ..	3 8½	3 7	3 6½	3 6¼	—	—
14 lb. and under 28 lb. ..	3 7½	3 6	3 5¾	3 5¼	3 5	—
28 lb. and under 1 cwt. ..	3 6½	3 5	3 4¾	3 4¼	3 4	3 3½
Not less than 1 cwt. ..	2 11½	2 10	2 9¾	2 9¼	2 9*	2 8½
Not less than 5 cwt. ..	2 11	2 9½	2 9¼	2 8¾	2 8½*	2 8
Not less than 10 cwt. ..	2 10	2 8½	2 8¼	2 7¾	2 7½*	2 7

* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less.

Sale is subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—Bulk quantities are quoted by makers as follow Under 5,000, 3s. 1½d.; 5,000, 2s. 11½d.; 10,000, 2s. 10½d.; 25,000, 2s. 8½d 50,000, 2s. 7½d.; 100,000, 2s. 6½d.; 250,000, 2s. 6d.; 500,000, 2s. 5½d 1,000,000, 2s. 4½d.; 2,000,000, 2s. 3½d. per 1,000; all subject to re-sale claus

BENZALDEHYDE.—Supplies are still short. Quotations are at abo 4s. 6d. to 5s. per lb. for practically-free-from-chlorine.

BENZOIC ACID (B.P.).—No improvement is discernible in the supp position. Quotations are nominal at about 2s. 9d. to 3s. per lb.

BISMUTH SALTS.—Makers' scales of prices are unchanged:—

	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not les than 1 cwt.
	s. d.	s. d.	s. d.	s. d.	s. d.
Carbonate	11 3	10 9	10 0	8 7	8 4
Citrate	13 4	12 10	12 1	10 4	10 1
Nitrate, cryst.	7 7	7 1	6 4	5 7	5 4
Oxide	15 4	14 10	14 1	12 0	11 9
Salicylate	11 9	11 3	10 6	9 0	8 9
Subchloride	14 11	14 5	13 8	11 8	11 5
Subgallate	11 11	11 5	10 8	9 2	8 11
Subnitrate	9 11	9 5	8 8	7 6	7 3

Rebate of threepence per lb. allowed off 1-cwt. prices on sales of not less than 2 cw or against contracts of not less than 2 cwt., provided whole of contract quantity is orde within three months. Prices net. Payments in fourteen days. For quantities of 28 and upwards, in the home trade, an extra charge of threepence per lb. is made for 1- cartons and 1-lb. parcels, even when repacking into cartons or parcels is effected purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Un present conditions all prices and sale terms are without engagement.

BORAX (B.P.).—Makers' quotations for powder remain at £35 10s. p ton, in one-cwt. bags; granulated, £34; and crystals, £35, for minimu one-ton lots, carriage paid in Great Britain. Commercial grades quoted at £8 per ton less.

CAFFEINE.—Spot value of small lots would be in the region of 75s. 85s. per lb. CITRATE, about 45s. per lb. for small quantities.

CALCIUM LACTATE.—Makers continue to quote at 1s. 9d. per lb. for sm quantities.

CALCIUM SODIUM LACTATE.—Makers' prices are steady, as follows: 28 l 2s. 3d. per lb.; 14 lb., 2s. 5d.; smaller lots, 2s 8d. per lb.

COCAINE.—British makers' prices for wholesale bulk quantities are follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 9d.; 16 and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. per oz. ALKALOID, CITRATE, and SALICYLATE, 25 oz. and over, 32s. 6 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 32s. per oz., 16-oz. packages free, smaller packing extra. The scale of pri applicable to distributors of smaller quantities is as follows: HYDROCHL IDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 7 oz., 34s. 7 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5 ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 1 per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less t ½ oz., 43s. 8d. per oz., packages extra. Re-sale: Sales are subject to buy undertaking not to re-sell any quantity below scale current at time re-sale. Export prices vary according to destination.

CREOSOTE (BEECHWOOD).—Dealers' prices are fully steady. B quantities, in 25-kilo demijohns, about 8s. 6d. to 9s. per lb.

EPHEDRINE HYDROCHLORIDE (B.P.).—Ordinary quantities are quo at about 7s. to 8s. per oz.; lots of 1,000 oz. would be at lower figures.

ETHERS (METHYLATED).—Makers' quotations are as follows:—

Specific Gravity and Grade	Winchester quarts, per lb.	Not less than 6 w. qts., per lb.	Not less than 12 w. qts., per lb.	Drums Carboy per lb
	s. d.	s. d.	s. d.	s. d.
0·750	1 5¼	1 4¾	1 4¼	1 3
0·735	1 5¾	1 5¼	1 4¾	1 3
0·730	1 5¾	1 5¼	1 4¾	1 3
0·725	1 7¼	1 7¼	1 6¾	1 5
0·725 triply rectified	2 0¼	1 11¾	1 11¼	1 10
0·720	1 8¾	1 8¼	1 7¾	1 6
0·717	2 2¾	2 2¼	2 1¾	2 0
0·720 B.P., not for anæsthesia ..	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and clause. Prices for anæsthetic ethers unchanged.

GLYCERIN (B.P.).—The following are current prices for small l 1-cwt. drum, 81s. per cwt.; 56-lb. tin, 89s. per cwt.; 28-lb. tin, 92s. cwt., 14-lb. tin, 95s. per cwt., all prices subject to 2½ per cent. disco for cash in twenty-eight days.

LACTIC ACID (B.P.).—Fair business is passing, makers' prices remai steady. One-cwt. carboys, 1s. 10d. per lb.; winchesters and bott 1s. 11d. to 2s. 1d. per lb.

MERCURY IODIDES.—Makers' prices per lb. are steady, as follo RED, less than 7 lb., 16s. 8d.; not less than 7 lb., 16s. 4d.; not less t 14 lb., 15s. 10d. GREEN, less than 7 lb., 18s. 4d.; not less than 7 lb., 1 not less than 14 lb., 17s. 6d. YELLOW, less than 7 lb., 20s.; not less t 7 lb., 19s. 8d.; not less than 14 lb., 19s. 2d. net, carriage paid.

MERCURIALS.—Controlled prices are as follows:—

Mercury Compound	Over 7 lb. but less than 28 lb.	28 lb. and over but less than 1 cwt.	1 cwt. and over but less than 2 cwt.	2 cwt. and over but less than 5 cwt.	5 cwt. and over
	s. d.	s. d.	s. d.	s. d.	s. d.
ichloride, powder	12 0	11 8	11 7	11 6	11 4
ichloride (industrial quality) ..	12 0	11 8	11 7	11 5	11 3
ichloride, lump	12 7	12 3	12 2	12 1	11 10
mmonium chloride, powder.. ..	13 10	13 6	13 5	13 4	12 10
mmonium chloride, lump	13 8	13 4	13 3	13 2	12 8
hloride (mercurous)	14 2	13 10	13 9	13 8	13 6
xide, red crystalline, B.P.	15 11	15 7	15 6	15 5	15 3
xide, red levigated, B.P.	15 5	15 1	15 0	14 11	14 11
xide, red technical	All quantities—14s. 8d. per lb.				
xide, yellow levigated, B.P. ..	15 4	15 0	14 11	14 10	14 10
xide, yellow technical	All quantities—14s. 4d. per lb.				

ackages free for quantities of 28 lb. and over; delivery free on orders of £20 and over.

METHYL SULPHONAL.—Values are steady, but demand is quiet. Dealers k about 39s. to 41s. per lb., ex store.

PARALDEHYDE.—A moderate inquiry is being received, but quoted lues are unchanged. Quantities, in one-cwt. carboys, about 1s. to 1s. 1d. r lb.

PHENOLPHTHALEIN.—Makers' prices are as follows: Less than 7 lb., . 2d. per lb.; 7 lb., 4s. 1d.; 14 lb., 4s.; 28 lb., 3s. 11d.; one cwt., 3s. 10d.

QUININE.—The sterling price for sulphate, based on American dollars, £14 17s. 5d. per 100 oz., f.o.b. Java

SACCHARIN.—Convention rate for 550 remains at 98s. 4d. per lb., duty id. Neither wholesale nor retail prices are under Government control.

SALOL.—Prices are firm and now range between 6s. 3d. and 6s. 9d. per , according to quantity.

SANTONIN.—Convention prices are as follows: 15 kilos and over, 5 10s.; not less than 10 kilos, £36 5s.; not less than 5 kilos, £37; less an 5 kilos, £38 per kilo, delivered free in the U.K.; 1-kilo tins free.

SODIUM BARBITONE.—Business is limited, and prices are firm. Dealers k about 24s. 6d. per lb. for lots of one cwt., and up to 30s. per lb. for aller quantities.

STRYCHNINE SALTS.—British makers' prices per oz. are as follows:—

	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
	s. d.	s. d.	s. d.
aloid, crystalline	3 0	2 10½	2 9
aloid, precipitated	3 0	2 10½	2 9
tate	3 2½	3 1	2 11½
enate	3 1	2 11½	2 10
enite	3 2½	3 1	2 11½
ulphate	2 4½	2 3	2 1½
drochloride	2 9½	2 8	2 6½
ophosphite	5 6	5 4½	5 3
rate, crystalline	2 9½	2 8	2 6½
rate, powder	2 9½	2 8	2 6½
rate, powder, No. 2	2 3	2 1½	2 0
osphate	3 7½	3 6	3 4½
phate, neutral, crystalline	2 6	2 4½	2 3
phate, neutral, powder	2 6	2 4½	2 3
phate, neutral, powder No. 2	2 1	1 11½	1 10

z. containers and outer cases free; smaller packages extra. Contracts may be booked quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. ms net thirty days. Wholesale distributors' prices for small quantities would be er.

ULPHONAL.—Quiet and unchanged. Dealers quote at about 34s. to . 6d. per lb., according to quantity.

THEOBROMINE.—Small supplies of imported would be worth about . to 70s. per lb. THEOBROMINE SODIUM SALICYLATE, about 42s. per lb. British-made from imported theobromine.

VANILLIN.—Makers' prices are as follows: Ex clove oil or guaiacol, cwt., 18s. per lb.; one cwt., 18s. 1½d.; 56 lb., 18s. 3d.; less than b., 18s. 6d., carriage paid in the U.K. Tins in cases are returnable to kers.

VERMILION.—Controlled prices are as follows: Over 7 lb. but not more n 30 lb., 13s. 1d.; 30 lb. and over but less than 1 cwt., 13s.; 1 cwt. and r but less than 5 cwt., 12s. 11d.; 5 cwt. and over but less than 10 cwt., 10d.; 10 cwt. and over but less than 20 cwt., 12s. 9d.; 20 cwt. and r, 12s. 8d. Packages free for all quantities; delivery free on orders of and over.

Crude Drugs

GAR.—Spot supplies are poor, but demand persists, especially for estricted grades. Spot values are nominal, as follows: Kobe No. 1, per lb.; Kobe No. 2, 18s.; and Yokohama No. 1, 18s. per lb.

LOES.—Demand for Curaçao has been good, but spot supplies are ing. For shipment from Curaçao via New York the last suggested e was 35os. per cwt., c.i.f. Fair supplies of Cape are stated to be lable, and spot values are steady at about 55s. to 60s. per cwt., ex store.

NTIMONY.—English regulus is in fair demand and quotations are dy at £85 per ton, delivered, for minimum 99 per cent.; foreign dus, £88 to £91 per ton, ex warehouse, duty paid; Chinese, for prompt ment, £76 to £80 per ton, c.i.f.

BALSAMS.—Demand has been rather better this week. *Tolu* is inclined to be firmer on spot at about 8s. to 8s. 6d. per lb.; *Canada*, quiet, with dealers quoting about 7s. 9d. per lb.; *Copaiba*, B.P., is unchanged at about 3s. 6d. per lb.; *Peru*, 7s. 3d. to 7s. 6d. per lb.

BENZOIN.—Firm, with steady business passing. Dealers quote Sumatra on spot at £5 10s. to £6 15s. per cwt., ex store.

BISMUTH METAL.—Business is being done at one dollar 25 cents per lb.

BUCHU.—New-crop (f.a.q.) is quoted a shade dearer for shipment at 2s. 7½d. per lb., c.i.f.; spot, about 3s. 2d. to 3s. 5d. per lb., as to quality.

CAMPHOR.—In rather limited demand, with quotations at last week's figures. Japanese, tablets, about 6s. per lb., if available; slabs, in small supply, about 5s. 4d. per lb.; flowers, if available, about 5s. 4d. per lb. No business appears to have been possible with Japan. Continental synthetic, quoted unchanged: Powder, 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, steady, as follows: Flowers, one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb. Transparent tablets, ¼-oz.: One cwt., 6s. 9d.; 28 lb., 6s. 10d.; less than 28 lb., 6s. 11d. per lb.

CANTHARIDES.—Forward quotations for Chinese are coming in at about 6s. to 6s. 6d. per lb., c.i.f. A few cases may be available on spot at about 6s. 6d. per lb., ex store.

CASCARILLA.—Little available on spot, but further supplies reported to be on the way.

CLOVES.—Market remains firm, with spot prices showing a small increase. Zanzibar, spot, 1s. 6d. per lb., paid; shipment, grade 2, unaltered at 9¼d. per lb., c.i.f., nominal. Madagascar, spot, 1s. 5½d., buyers, in bond.

COLOCYNTH.—Again quiet after the increased interest noted last week. Little good white pulp is procurable on spot under about 3s. per lb.

DERRIS ROOT.—Rather more interest has been shown, and better business done. Dealers' quotations are unchanged at about 1s. 1d. to 1s. 4d. per lb., according to test; powder would be at higher prices.

ERGOT.—Firmer in price, but in limited demand. Spanish-Portuguese is now quoted at about 8s. 3d. per lb., ex store; shipment, again dearer at about 7s. 3d. per lb., c.i.f.

GAMBOGE.—Small supplies of good-quality Siam pipe are available on spot at about £27 per cwt. It has been found impossible to obtain offers from origin.

GUM ACACIA.—Business has been on a fair scale, and values, both spot and forward, are higher. Kordofan cleaned sorts, spot, about 100s. per cwt., ex store; bleached, from 170s. to 220s. per cwt., according to quality; shipment, cleaned, 48s. 6d. per cwt., c.i.f.

IPECACUANHA.—Fair inquiry has been received, but spot stocks are tending low. Matto Grosso, spot, about 18s. 6d. per lb., nominal, ex store; shipment, 13s. to 13s. 3d. per lb., c.i.f. Spot quotations for Minas remain at about 10s. 6d. to 10s. 9d. per lb.; shipment, about 8s. to 8s. 3d. per lb., c.i.f. EXT. IPECAC. LIQ., steady at 26s. per lb., for minimum lots of twelve winchesters.

MENTHOL.—Steady spot demand continues for Chinese, with prices at 27s. to 27s. 6d. per lb., according to seller; shipment, May–June, about 22s. to 23s. per lb., c.i.f. Japanese, spot, in small supply, about 30s. per lb., ex store.

MERCURY.—The present value of spot metal is about £48 to £50 per bottle, ex warehouse London.

ORANGE PEEL.—Supplies of bitter quarters, recently arrived, are quoted at about 2s. 2d. per lb., on spot. A little thin-cut is stated to be available on spot at about 3s. 4d. per lb., ex store.

PEPPERS.—Quiet, with spot prices showing fractional declines on the week. Lampong, spot, in bond, 7d. per lb., sellers; Tellicherry, spot, 7¾d. per lb.; Aleppy, spot, 7⅜d. per lb., sellers. White Muntok, spot, in bond, 10⅛d. per lb., sellers; shipment, unquoted.

PIMENTO.—Continues firm, with spot a shade dearer at 1s. 9½d. per lb., sellers; new-crop, for April–May shipment, 15os. per cwt., c.i.f., nominal.

RHUBARB.—Firm on spot, the value of small supplies of rough-round remaining at approximately 6s. 3d. per lb. A parcel now landed is quoted at 6s. per lb., duty paid. Rather more inquiry has been received for Shensi, which would be valued on spot at about 8s. to 8s. 6d. per lb.

RUBBER.—Closed dull, with values of all positions lower. Standard ribbed smoked sheet, spot, 14d.; May, 14d.; June, 14d.; July–September, 14d.; October–December, 14d.

SEEDS.—ANISE.—Bulgarian, spot, duty paid, 137s. 6d. CANARY.—Nothing available. CARAWAY.—Dutch, spot, duty paid, 28os. CORIANDER.—Morocco, spot, 125s., duty paid, ex store Liverpool; Indian, 97s. 6d., duty free. CUMIN.—Malta, spot, 140s., duty free; Morocco, 145s., duty paid. DILL.—No spot quotation available. FENNEL.—Iran, spot, 75s., duty paid; Indian, 75s., duty free, nominal. FENUGREEK.—Morocco, spot, duty paid, 45s., ex store London or Liverpool. MUSTARD.—Indian, spot, reported sold at 42s. 6d.; English, 75s. to 80s., according to quality. LINSEED.—Recleaned Plate quoted on spot at 38s., duty paid.

SENEGA.—Spot demand has been fairly good, the price remaining at about 5s. 3d. per lb.; shipment, about 4s. 9d. per lb., c.i.f. Some business is reported done in new-crop, probably by speculative sellers, at 4s. 3d. per lb., c.i.f.; other regular importers quote Canadian sellers as affirming that it is too early to offer new-crop.

SENNA.—Quiet, with values steady. Tinnevelly, spot supplies small. No. 1 leaves, 10d. per lb.; No. 2 leaves, 6½d.; No. 3 leaves, 5d. per lb. Hand-picked Tinnevelly pods, if available, 1s. to 1s. 3d. per lb.; manufacturing pods, 6d. to 7d. per lb. Alexandrian hand-picked pods, a few small lots at 5s. 6d. to 7s. 6d. per lb.

SHELLAC.—Quiet. Standard TN orange, spot, 102s. 6d. per cwt.; shipment, 78s. per cwt., c.i.f., sellers. Pure button, nominal on spot at 120s. per cwt.; fine orange, unchanged at 115s. to 170s. per cwt.

SQUILL.—Some supplies of Indian are reported afloat.

STRAMONIUM LEAVES.—Indian, quoted unchanged on spot at about 110s. per cwt.

STROPHANTHUS.—Some small spot sales of 100 per cent. Kombé are being made at 10s. to 10s. 6d. per lb.

TRAGACANTH.—Quotations for medium grades continue at last week's figures, as follows: No. 1, white, £120, nominal; No. 2, white, £110, nominal; No. 3, white, £95; pale leaf, £70 to £75; amber leaf, £42; red leaf, from £17; woody and hoggy, from £10 10s., ex store.

TURMERIC.—Madras finger quoted on spot at 60s.

WAXES.—BEES'.—Moderate demand for spot supplies. Spot, 205s.; in bond, 190s.; shipment, Dar-es-Salaam, 185s. per cwt., c.i.f. Japanese, first three brands, spot, duty paid, 150s.; in bond, 135s.; shipment, nominal. CARNAUBA.—Spot, fatty grey, 445s.; chalky grey, 435s.; Primeira, 500s.

Essential and Expressed Oils

ANISE (STAR).—In fair demand, with spot values firm. Spot, tins in cases, about 8s. per lb.; drums, about 7s. 9d. per lb., ex store; shipment, tins in cases, about 4s. 9d.; drums, about 4s. 6d. per lb., c.i.f.

BAY.—A fair amount of small business continues at unchanged prices. Spot, approximately 6s. 6d. to 7s. per lb., ex store.

BOIS DE ROSE.—Business continues on a small scale, with the price steady. Spot, about 15s. per lb.; shipment, approximately 9s. 3d. per lb., c.i.f., in drums.

CAJUPUT.—The demand is fair for smallish quantities, which are quoted by dealers on spot at about 6s. to 6s. 6d. per lb., according to quantity.

CANANGA.—Business continues on a minor scale, with prices slightly above former rates. Spot would be worth about 20s. per lb.

CASSIA.—Firm, with spot stocks small and quoted nominal at about 12s. per lb.

CEDARWOOD.—Occasional small spot inquiry only; values are maintained. Spot, American, about 2s. 4½d. per lb.

CINNAMON LEAF.—A quiet spot business is being done. Dealers quote between 4s. 6d. and 5s. 6d. per lb. for small quantities.

CLOVE.—Firm. English-made oil continues to be quoted on spot at about 10s. 6d. to 11s. per lb. The value of imported oil, if available, would now be in the region of 7s. to 9s. per lb., spot.

EUCALYPTUS.—Business has been quiet, with spot quotations unchanged. Spot, from 4s. to 4s. 6d. per lb., for 70 to 75 per cent. oil, according to holder, and from 4s. 6d. to 4s. 9d. for 80 to 85 per cent.

GERANIUM.—Quiet. Spot quotations for Bourbon and Algerian are at the increased figure of 65s. per lb.

GRAPEFRUIT.—Firmer. Genuine Californian is now valued on spot at about 15s. to 16s. per lb.

GROUNDNUT.—The controlled price for large bulk quantities of refined deodorised is unchanged at £40 per ton, naked ex works.

LAVENDER.—Occasional small spot inquiry only. Spot, from 65s. per lb. for good-quality oil.

LEMONGRASS.—Conditions are firm. Spot, quoted dearer at about 5s. 6d. to 6s. per lb.

LIME.—Dealers' spot quotations for genuine West Indian are steady at about 30s. per lb., with other qualities at lower prices.

LINSEED.—Controlled price for large bulk quantities of crude, naked ex works, is unchanged at £41 10s. per ton. Distributors' prices for ordinary quantities would be higher.

MUSTARD.—British-made synthetic oil is quoted at about 18s. 6d. to 20s. per lb.

NUTMEG.—Continues firm and in quiet demand. Spot would now be at from 20s. upwards per lb.

OLIVE.—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. 6d. per gall., as to quantity.

ORANGE.—The sterling price of Californian is now 6s. 6d. to 7s. per lb., in small drums, ex store, duty paid; shipment can be effected by transit overland to New York at five cents per lb. extra. Spot values for other grades remain at from 15s. to 16s. per lb.

PALMAROSA.—Firm and unchanged. Spot values nominal at about 18s. per lb., ex store, if available; shipment, new-crop, about 14s., c.i.f.

PATCHOULI.—Spot quotations for Singapore remain in the region of 45s. to 50s., and for Seychelles at about 40s. to 45s. per lb.

PEPPERMINT.—Chinese has again been in good demand, but spot supplies are difficult to find. Spot, about 16s. 6d. to 17s. per lb. Some supplies due in about a month's time are offered at 15s. per lb., c.i.f.; shipment, May–June, about 9s. per lb., c.i.f., buyer's licence. Japanese, spot, about 18s. per lb. American, spot, firm at about 20s. to 22s. per lb., ex store; shipment, drums, about 18s., and tins in cases, about 18s. 6d. per lb., c.i.f.

PETITGRAIN.—Only limited business is being done, and the spot price is in the region of 14s. per lb., nominal; no shipment offers.

PINE.—Siberian, spot, is at about 10s. to 12s. per lb.; Pumilio, if available, about 25s. per lb.

SPEARMINT.—Spot quotations for American are unchanged at about 19s. per lb. for small quantities.

THYME.—Good-quality oil would be valued on spot at approximately 14s. per lb., with other grades at lower rates.

VETIVERT.—Dealers' spot quotations for Bourbon are nominal at about 50s. per lb.; Java, about 35s. to 40s. per lb.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real nam and address to the Editor

Industrial Instead of Rectified Spirit

SIR,—Some doctors are still prescribing several ounces of rectifie spirit in hair preparations and other lotions when industrial spir would be equally effective and its use would lead to considerab saving in cost. Industrial methylated spirit is in the B.P. Its u in certain liniments has the sanction of long usage and of t Revenue authorities. No ill result would follow its extended use many external preparations when rectified spirit or mixtures that spirit and essential oils or other aromatics are now prescribe The N.H.I. Drug Tariff suggests several cases in which methylate may be used for insurance dispensing. When rectified is prescrib it is generally by doctors who are not aware either of the cost of t one or the equal efficacy of the other. Chemists could render goo service by persuading prescribers to allow them to substitu "meth." when they receive certain orders for "rect."—Yours, et

ECONOMIST (20/4).

Fireman's Cramp

SIR,—We were interested to see your note on fireman's cram under Miscellaneous Inquiries (*C. & D.*, April 19, p. 258). It seer now established that this condition is due to sodium chloride d pletion. The drinking of large quantities of water simply exaggerat it, and the rational remedy is to drink weak salt solution. T following paragraph from Gaddum's "Pharmacology" is interesti in this connexion:

Salt Depletion.—Sodium chloride is so widely distributed foodstuffs, and the body's mechanisms for preserving salt wo so well, that it is almost impossible to produce salt depletion feeding animals on a salt-free diet. Salt depletion occurs miners and stokers who lose large quantities of salt in sweat. T concentration of salt in sweat is lower than that in most tiss fluids, so that, by itself, sweating will increase the concentrati of salt in the body, but when the stoker has sweated, he drin water to replace the fluid lost. When he has done this his s concentration is lower than it originally was, and if he contin the process he eventually gets stoker's cramp—twitching muscles, particularly the abdominal muscles, and convulsio accompanied by dizziness and increased perspiration. This is d to deficiency of sodium chloride and can be prevented by maki the stoker drink 1 per cent. sodium chloride instead of wat

Yours faithfully,

E. H. S. (23/4).

Concentration in Retail Trade

SIR,—From the report of the Parliamentary debate on t limitation of retail supplies (*C. & D.*, April 26, p. 262) it appe that the closing of a proportion of existing retail shops has be foreseen, as one result of limited stocks. If, as was stated, t Government is unable to afford any assistance to shopkeepers these circumstances, it should at least issue some advice or instr tions as to how cases of definite hardship are to be dealt with local authorities and others, otherwise it is possible that the trad affected will find themselves faced with prosecution or bankrupt The Insurance work of each pharmacy will have to be consider for to concentrate two or three pharmacies into one will mean excess of work during certain hours of the day. On the other ha the ability of the pharmacist to provide a panel service on the prese terms is largely due to the fact that his counter trade enables h to keep his premises open, and if this trade declines below a cert level the amount received from dispensing fees will not be sufficie to make up the loss. Some scheme of regulated closing may have be adopted.

Yours faithfully,

CLOSURE (26/4).

Points from Letters

Appreciation

Thank you for the splendid illustrations, so well produced, *re* t centenary of the Pharmaceutical Society, April 12 number. I ha known your valuable weekly for over fifty years. My father business in Bristol qualified in 1869.—*E.H.G.B.* (20/4).

American Co-operation

The following extracts are taken from a letter received from N York by one of our export readers: "Your letter of March 5 arriv here on the 19th, attesting to the fine airmail service. Your airm samples arrived the following day, and the goods you sent via bo came only a few days later. So it seems that in spite of the vigoro U-boat campaign, Britain delivers the goods. Now that the Le Lease Bill is passed people here are more confident than ever." *E.D.S. Co., New York.*

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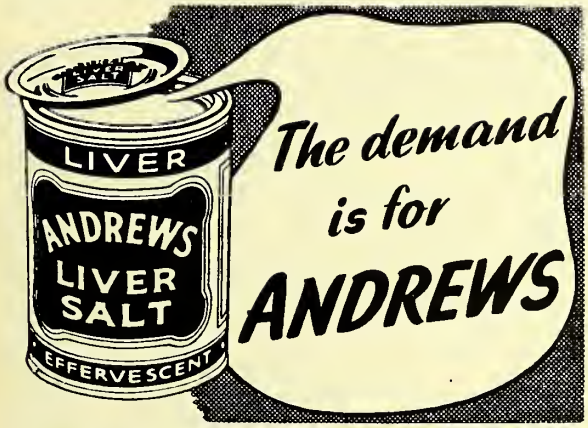


British Made **AMPOULE FILES**
are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION
LTD.
"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

The Wise Chemist always recommends the best remedy.

★A LONDON CHEMIST:

"I am delighted to recommend Dr. Singha Tablets to my Asthma Suffering customers, as I am convinced there is no remedy to equal it."

IT WILL PAY YOU TO RECOMMEND AND SELL DR. SINGHA ASTHMA TABLETS
The ORIGINAL
and STILL the BEST REMEDY for
ASTHMA, BRONCHIAL ASTHMA and BREATHING DIFFICULTIES
Prices: 1/6, 3/-, 5/-, 12/-, 20/-
P.A.T.A. Terms from all Wholesale Houses.

DR SINGHA BRAND ASTHMA TABLETS

The DR. SINGHA CO. LTD., CAERNARVON, G.B.

EVERY YEAR MARKS AN 'ASPRO' ADVANCE

'ASPRO' owes its progress to constant activity and enterprise. The public are persistently reminded of its increased uses and service. In this way 'ASPRO' serves YOU. Give 'ASPRO' a continuous prominent display—you get a vast amount of extra sales. There's no surer way of attracting new customers than by the straightforward reminder that you sell the medicine nearly everyone is wanting. 'ASPRO' has firmly established itself as the national protector against colds and 'flu. New conditions have thrown emphasis upon other uses and it is in great demand for the relief of nerve strain, sleeplessness, rheumatic ailments, etc. 'ASPRO' HAS, IN FACT, EASILY THE LARGEST SALE OF ANY MEDICINAL LINE IN GREAT BRITAIN. This means that out in the street there are more customers for 'ASPRO' tablets than ANY OTHER LINE YOU SELL. And customers don't come in to buy one article at a time. Therefore, why risk their going elsewhere? Bring them in with a big 'ASPRO' display.

Here is a Typical 'ASPRO' SHOW

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by ASPRO LTD., SLOUGH, BUCKS.

No proprietary right is claimed in the method of manufacture or the formula.

ASPRO REG. TRADE MARK

OXO LABORATORIES PREPARATION

"OXOID" BRAND VITAMINS 'A' & 'D'

Each Capsule contains 7,000 I.U. of 'A' and 900 I.U. of 'D.'

FOR RAPID ADAPTATION OF VISION IN SEMI - DARKNESS. *(Lancet, 1939, II. 1355.)*

"OXOID" BRAND VITAMINS 'A' & 'D' CAPSULES are also extensively prescribed for reducing susceptibility to infections, and as a prophylactic against the Common Cold

Sold by Chemists

OXO LIMITED, Thames House, London, E.C.4

OXO LABORATORIES PREPARATION

ORDER DIRECT OR FROM

MANCHESTER: D. Mawdsley & Co. James Woolley Sons & Co., Ltd.
LEEDS: Goodalls (Leeds), Ltd.
LEICESTER: E. H. Butler & Son.
NEWCASTLE-ON-TYNE: Wilkinson & Simpson, Ltd.
LONDON: Brooks & Warburton, Ltd. May, Roberts & Co., Ltd. Butler & Crispe.
LIVERPOOL: Ayrton, Saunders & Co., Ltd.

THE TOWN TALK POLISH CO., MANCHESTER, 10

THORNTON & ROSS LTD.

THE increasing demand for Thornton & Ross Compressed Tablets is the logical outcome of our policy of supplying only the purest products at the most reasonable prices.

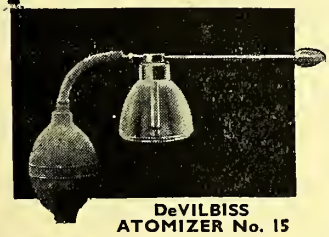
In addition to the "Pennine" Brand, pharmacists are offered several attractive package designs for "Own Name" sales, which add much to good reputation.

We invite your enquiries.

THORNTON & ROSS, Ltd.
Manufacturing Chemists,
LINTHWAITE, HUDDERSFIELD

TR89

PREVENTION IS BETTER THAN CURE



DeVILBISS ATOMIZER No. 15
This well-known nose and throat Atomizer sprays oil or aqueous solutions with equal ease. Adjustable tip permits spraying in any direction.

Every home needs one or more DeVilbiss Atomizers. DeVilbiss Atomizers have been used and prescribed by the medical profession for more than 45 years, and to-day the DeVilbiss range includes improved Atomizers of every required type. DeVilbiss Atomizers are reasonably priced, fully guaranteed and carry handsome profits. Conspicuously displayed, they stimulate the sale of medical and antiseptic solutions—and sell themselves.

Price list on application

DeVILBISS NEBULIZER No. 45
For oils only. Produces a large volume of extra dry vapour for deep inhalation.

ATLAS ATOMIZER No. 20
A compact and dependable nasal Atomizer producing a medium spray from either oil or water solutions.

DeVilbiss ATOMIZERS

ATLAS ATOMIZER No. 25
A nose and throat Atomizer of high quality for oil or water solutions. Gives a fine, continuous spray.

THE AEROGRAPH CO., LTD., 43 HOLBORN VIADUCT, LONDON, E.C.1
Telephones: Holborn 1257 & 1258

CVS-93

BRITISH MADE ALKALOIDS AND FINE CHEMICALS

Whiffen

BROMIDES IODIDES

MERCURIALS · ATROPINE
CAMPHOR · NICOTINIC ACID · SALICIN
CAFFEINE · EMETINE · QUININE
STRYCHNINE · NICOTINE · VERMILION
PRUNELLA · ESSENTIAL OILS
CLOVE OIL · SANDALWOOD OIL
ALMOND OIL · EXTRACT OF IPECAC. LIQ.
DRUG GRINDING

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WHIFFEN & SONS LTD

INCORPORATING GEORGE ATKINSON & COMPANY EST 1654

FULHAM, LONDON, S.W.6

'Phone FULham 0037 'Grams WHIFFEN LONDON

[33/11]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 3 1941

IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath. Advertisements received after these times will be inserted the following week.

THIS IS THE TARIFF

AGENCIES, GOODS FOR SALE, PARTNERSHIPS, PATENTS, PREMISES TO LET, FOR SALE or WANTED

7/6 for 36 words or less, **2d.** for every additional word.
Box Office Number 1/- extra.

LEGAL NOTICES, SALE BY AUCTION, TENDERS—AND ALL SPECIALLY SPACED ANNOUNCEMENTS

1/9 per nonpareil line. (12 lines = 1 inch, single column.)
Box Office Number 1/- extra.

BUSINESSES for DISPOSAL • BUSINESSES WANTED • SITUATIONS OPEN

7/6 for 40 words or less, **2d.** for every additional word.
Box Office Number 1/- extra.

MISCELLANEOUS SECTION (for Wholesalers, etc.), for odd and second-hand lots.

12/6 for 60 words or less, **1/-** for every additional 10 words or less.
Box Office Number 1/- extra.

SITUATIONS WANTED { **2/6** for 18 words or less, **1d.** for every additional word. *Box Office Number 1/- extra.*

EXCHANGE COLUMN (for Retailers, etc.) { **2d.** per word, minimum **3/-** *Box Office Number 1/- extra.*

ALL ADVERTISEMENTS MUST BE PREPAID. To avoid disappointment send your instructions as early in the week as possible to THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH or to London Office at 28 Essex Street, Strand, London, W.C.2

WE REQUIRE and PAY BEST PRICES for

- **CITRIC ACID, B.P.,** FINE GRANULAR OR POWDER
- **GLUCOSE POWDER**
- **STARCH** (SOLUBLE)

in quantities of from 1 cwt. upwards

WRITE BOX 380/887 LONDON OFFICE OF THIS PAPER

OPTICAL TUITION

FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations

Particulars:—

C.A.SCURR, F.S.M.O., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

PRICE LISTS, TRADE CIRCULARS, SAMPLES, AND PRINTED MATTER

can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

NOTICE

All records having been lost, will all wholesale druggists dealing with

PLYMOUTH CO-OPERATIVE SOCIETY'S PHARMACIES

kindly forward latest price-lists and terms for drugs, sundries, toiletries and photographic goods to the temporary address, 7 Lisson Grove, Plymouth.
A. Downing, Superintendent and Buyer.

PLANT AND MACHINERY WANTED

Northern Manufacturing Chemists desire

SECOND-HAND ROTARY TABLET MACHINES AND SINGLE PUNCH MACHINES

to replace machinery damaged in Blitz. Good prices offered and will arrange our own collection.

CDB/477, London Office of this Paper.

BABY KNICKERS

Waterproof. Sizes: small, medium, large

Best untearable	10/6 per doz.	114/- per gross
Matt superfine	13/- per doz.	144/- per gross
Polished oiled-silk	28/8 per doz.	326/- per gross

BABY COT SHEETS

Jaconet: size 22 x 27. 20/9 per doz. 237/- per gross.
,, size 36 x 30. 33/6 per doz. 378/- per gross.
Rubber: fitted with brass eyelets. Size 27 x 18. 29/4 per doz. 334/- per gross.
,, size 27 x 36. 48/- per doz. 552/- per gross.

WHITE NURSING APRONS

Jaconet, price 28/- per doz. 312/- per gross.
Rubber, price 42/- per doz. 468/- per gross.

All above goods are waterproof and purchase tax is included in the price.

Immediate delivery. Terms: Net cash with order.
Special prices quoted to the wholesale trade.

Representatives wanted on commission all districts not already covered

L. GOLDSTEIN - (Dept. C.D.) Back 47 Dean Street, BLACKPOOL S.S.

SITUATIONS OPEN

RETAIL (HOME)

MANCHESTER. Qualified required, working-class district, counter and N.H.I.; permanency for right man. Please apply, with usual particulars, stating salary, to Tomlinsons, (M/c), Ltd., 21 and 23 Embden Street, C.-on-M., Manchester, 15.

OXFORD. Two lady Assistants required, one qualified, one unqualified (capable dispenser). Details of experience, etc., to Bellamys, Dispensing Chemists, Ltd., 22A Merton Street, Oxford.

SOMERSET. Unqualified lady or gentleman offered good position in reception area; experienced in Dispensing and Counter work; no Sunday duty. Interview, if possible, or send photograph with details and references, to CDB/491, London Office of this Paper.

ASSISTANT, male or female, qualified or unqualified, well up in Dispensing, for good-class business about middle of May. State full particulars in first letter. Chater, Chemists, Watford.

ASSISTANT, Qualified or Unqualified, Lady or Gentleman, for Dispensing business. Full particulars to H. C. Neve, 1416 London Road, Norbury, S.W.16.

BRANCH Manager required for working-class district. Must be over 30, and generally experienced. Knowledge leakage system an advantage. Salary 90s. weekly and war bonus. Bond required. Situation will be "for duration" only. Write fully, stating age. CDB/495, London Office of this Paper.

BRIGHOUSE District Industrial Society, Limited: Drug Department. Wanted—Three Qualfiied Assistants (Male or Female); must be reliable Dispensers and experienced Sales. Male applicants must be over military age. Apply, stating age, wages, and experience, giving two names as references, not later than Saturday, May 10th, addressed to the General Manager.

DEMONSTRATOR-SALESMAN required for Medical Electrical Appliances. Apply by letter only, giving full particulars as to age, experience and salary required to the Staff Manager, A. W. Gamage, Ltd., Holborn, London, E.C.1.

EXPERIENCED Unqualified Assistants for North-West London and Hounslow district. Apply Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

JUNIOR Assistant, of either sex, required for good-class pharmacy. State experience and salary required. H. T. Holme, Ltd., Wallingford, Berks.

LADY, Qualified, required to manage small modern London Pharmacy. Apply "A," 381/908, London Office of this Paper.

MANAGER for shop, Brighton; mainly toilet trade; good salesman and window dresser preferred. State experience and salary required. CDB/502, London Office of this Paper.

QUALIFIED and Unqualified Assistants required, also O.B.A.C. Optician for duration of war. Apply, stating age, height, experience and wages required, including photograph if possible, to General Manager, Co-operative Society, Rugby.

QUALIFIED Assistant, lady, required immediately for Central Pharmacy, experience in fitting of Surgical Appliances a recommendation. Applications, stating age, experience, wages required, and references to be sent to the Secretary and General Manager, Morley Industrial Co-operative Society, Ltd., Albion Street, Morley, Leeds.

QUALIFIED Assistant, male or female, required; must be quick, reliable dispenser, used to busy counter trade, capable of taking charge of Branch; progressive permanent post offered. Write stating age, details of experience and wages required to Pharmacy Manager, Sheffield & Ecclesall Co-operative Society, The Arcade, Ecclesall Road, Sheffield.

QUALIFIED Assistant wanted for a busy high-class pharmacy in City centre. Apply with full details and state salary required in first letter to Managing Director, Loveitt & Bones, Ltd., High Street, Coventry.

QUALIFIED or Unqualified Lady or Gentleman (exempt service) for good-class Chemist's business. Also Qualified Locum, July 28 to August 25 inclusive. Please give particulars of age, experience, salary required. Interview. S. J. Coley, Ltd., 57 High Street, Stroud, Glos.

REGISTERED Pharmacist wanted as cover, Lady or Gentleman (elderly not objected to). Please state age and salary required. No Sunday or half holiday duty; easy hours. Apply, W. H. Hayward (Torquay), Ltd., 111 Hele Road, Torquay.

SURGERY Attendant (non-resident), with knowledge of Dispensing, required for the Royal Albert Institution for the Feeble-minded, Lancaster; experience of clerical work additional qualification. Apply, with copies of recent testimonials, stating salary expected, to the Medical Superintendent as above.

TAYLORS DRUG CO. have vacancies for Qualified Pharmacists as Managers and Assistants in the Leeds and South Yorkshire area. Permanent positions, if suitable. Apply by letter, giving full particulars to Retail Staff Manager, Taylors Drug Co., Claremont Barn, Claremont Lane, Esher, Surrey.

TAYLORS BRITISH CHEMISTS have vacancies in London and the Midlands for Pharmacists not liable for military service, as managers and assistants. Permanent and progressive posts available. Apply by letter, giving full details to Retail Staff Manager, Taylors British Chemists, Claremont Barn, Claremont Lane, Esher, Surrey.

UNQUALIFIED Assistant required for busy store chemist's business in Brighton. Must be good Dispenser and competent Counterman. Good salary and conditions. Apply 381/907, London Office of this Paper.

WANTED—A qualified Chemist as Assistant or Branch Manager (male or female) for emergency period. Written applications stating age, wages, and experience to the General Offices of Oldham Industrial Co-operative Society, Ltd., King Street, Oldham. Endorse envelopes "Chemist."

WANTED—Qualified Assistant (lady or gentleman, not liable for military service) for busy Pharmacy. Energetic and capable of all usual work. No Sunday or holiday duty. Send full particulars of age, experience, wages required, and copy of references not later than May 6 to: The Gloucester Co-operative and Industrial Society, Ltd., Brunswick Road, Gloucester.

WANTED—Qualified Assistant, lady or gentleman, for busy Pharmacy in Cheshire reception area. Must be reliable Dispenser, and have had good all-round experience. Apply, stating age, wages, experience, etc., to CDB/496, London Office of this Paper.

WANTED—Qualified Chemist (lady or gentleman, not liable for military service) to manage Branch Pharmacy for the duration of the war. No Sunday or holiday duty. Send fullest particulars to Sheerness and District Economical Co-operative Society, Ltd., 100 High Street, Sheerness.

WANTED—Unqualified Assistant (male or female) for busy Pharmacy, must be neat and quick dispenser. No Sunday or holiday duty. Send full particulars of age, experience, wages required, and copy of references not later than May 6 to The Gloucester Co-operative and Industrial Society, Ltd., Brunswick Road, Gloucester.

WANTED—Two Qualified (capable of taking charge), two Unqualified Assistants, male or female (if male ineligible for military service), for duration of war; trade union rates of pay. Apply by letter, stating full particulars, to Walsall and District Co-operative Society, Ltd., Bridge Street, Walsall, by May 9.

WANTED FOR THE FRONT LINE. Ascotts Pharmacies (1933) Ltd., Wembley, require immediately Qualified and Unqualified, either sex, for London and suburbs only. No safe jobs in Torquay, Blackpool, North Wales, etc., but London! Good prospects and fair treatment. Write, call or telephone: Wembley 2113.

WHITELEY'S, Bayswater, require qualified Dispenser. Apply personally. Staff Controller, Whiteleys, Bayswater.

LOCUMS AND SEASONAL VACANCIES

QUALIFIED Locum required for Branches, June 16 to July 26 inclusive. No Sunday or Wednesday duty. Please state age, experience, salary required, to Manager, Pharmacy Department, Ipswich Industrial Co-operative Society, Ltd., Carr Street, Ipswich. Endorse envelope "Qualified Locum."

WHOLESALE

APPLICATIONS are required for the position of Medical Representative for an old-established firm of British manufacturing chemists handling medical specialities. Applicants should be qualified pharmacists, not eligible for military service, and should have previous experience in medical propaganda. Several permanent positions are open. Write Box 839, c/o 8 Serle Street, W.C.2.

ASSISTANT wanted for Dry Counter. Not eligible for military service. Retail assistant desirous of changing to Wholesale considered. J. F. Macfarlan & Co., Manufacturing Chemists, 8 Elstree Way, Borcham Wood, Herts.

COMPETENT Invoice Clerk, used to Export work, required by Carnegie Bros., Ltd., Welwyn Garden City. Knowledge of shorthand and typing necessary. Good prospects for suitable person. Male applicants should not be liable to military service. Apply in writing, stating experience and salary wanted.

COSMETICS. Man wanted by manufacturer (small), able to make powders, creams and hair creams, etc. Good salary for good man. Apply CDB/500, London Office of this Paper.

COSMETIC and Toilet Preparation Laboratory requires lady Chemist or B.Sc. for research and routine work; laboratory in Brentford district; five-day week. Write stating age, experience and salary required. 381/905, London Office of this Paper.

INVOICE Clerk requ
Write, stating exp
this Paper.

LONDON Manufactu
experienced in ma
vise large dispensary
position. Write age a
CDB/498, London Offic

MANUFACTURING
powder mixing an
for growing concern. A
prospects. Apply in w
salary required, to 381/

REPRESENTATIVE
Chemists to call o
in London and occas
preferred, thorough
Proved sales ability ess
Fullest details to CDB/

REPRESENTATIVE
Ltd., 46 Southwa
Kent areas. Apply by
particulars of persona
references should be
(returnable). Applican
able to drive a car, over
of the areas mentioned

SURGICAL Instrum
knowledge of in
experience and salary
Street, Cambridge.

WANTED—Experien
controlling staff. S
Salary will depend u
Houses, Ltd., Graham

ACID Lactic edible,
Calc. Lactic, wan
prices paid C.O.D. W
Paper.

ARACHIS Oil want
Road, Westcliff,

DESICCATORS req
advise price a
Manufacturing Co., Lt

GLUCOSE D require
Crescent, London

LUXURY and high-c
for cash. Write
Strand, London, W.C.

LATE NEWS

Control of Tins and Cans.—The Minister of Supply has issued as S.R. & O., No. 561, the control of Tins and Cans Order (No. 4) under which certain articles may not be packed in a metal container. The articles affected include powdered borax, chocolate laxatives, corn plasters, compound liquorice powder, liver extract, seidlitz powders, adhesive tape, bath crystals and salts (not being medicinal), hair dressings, coconut oil, cosmetic creams, face powder, foot soap.

Wholesale Druggists
381, London Office of

equire a Pharmacist
Must be able to super-
records. Progressive
nd salary required to

l with experience in
establish new factory
rtunity with first-class
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Hospitals, Wholesalers
journeys. Pharmacist
exion an advantage.
position for right man.
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for East Anglia and
Secretary, giving full
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required with good
Apply stating age,
Rampling, 3 Market

. Must be capable of
rticulars of experience.
. The British Drug.
.1.

B.P., Acid Citric B.P.,
arge quantities. Good
London Office of this

s. Write 29 Seaforth

0 in. or over. Please
able. Pharmaceutical
s, Cheltenham.

Write 2–9 Wyndham

ble for export, wanted
s, Brettenham House,

OILS and Fats of all descriptions wanted, also Glycerin (refined and unrefined) and Stearates. Write 7 Addison Road, London, W.14.

REQUIRED. Citric Acid, Tartaric Acid, and Lactic Acid in quantities. Best prices paid C.O.D. Offers to 380/900, London Office of this Paper.

SACCHARINE powder or tablets wanted, any amount. State price. Cash. Also pots suitable for creams. Sample and price. CDB/499, London Office of this Paper.

SECOND-HAND 12 or 16 Die Rotary Compressed Tablet Machine (Stokes or Coltman pattern). 14/L, London Office of this Paper.

TABLET-MAKING machines wanted. Single punch or rotary. New or secondhand. Particulars in confidence to 380/902, London Office of this Paper.

TOILETRIES AND DRUGGISTS' SUNDRIES

LARGE Canadian Department Stores require new novelty merchandise and will be glad to arrange for inspection of samples in London. Forward particulars to 380/903, London Office of this Paper.

WANTED FOR CASH

BEST Spot Cash prices offered for Panchromatic and other films—either in or out of date—and for cameras, provided these are in good saleable condition. State quantities, dates and price to Cyril Howe, Bath.

WANTED, complete set of fittings and shop rounds for small pharmacy. State price and possible date of delivery to A. Downing, Buyer, Plymouth Co-operative Society's Pharmacies, 7 Lisson Grove, Plymouth.

WANTED, Citric Acid in Powder granulated; offers invited. CDB/481, London Office of this Paper.

WANTED, High-class Photographic Apparatus, Leicas, Contaxes, Rolleiflexes and their accessories. Also Films and Talkie Projectors. Good prices offered by B. Salter & Son, 34 Castle Street, Shrewsbury.

WANTED by England's largest Photographic Dealers, All Miniature Cameras, extra lenses and accessories, Rolleiflex, Leica, Contax, Ikontas, etc., also films for Leica, etc. Will buy quotas. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

BUSINESS WANTED

EXPERIENCED executive wishes to purchase established wholesale business—packed goods or tablets preferred—total immediate purchase or management with partial interest and eventual full financial control. CDB/503, London Office of this Paper.

FOR SALE

MANUFACTURER of Hairdressers' Toilets and Perfumery wishes to dispose of machinery and stock. Please apply 380/899, London Office of this Paper.

MISCELLANEOUS

CONCENTRATION OF MANUFACTURE—PERFUMERY AND COSMETICS

Manufacturers of high-class perfumery and cosmetics seek contact with reliable firms who could handle this manufacture and also dispatch. The firms interested should have the necessary plant and freezing unit to manufacture these lines successfully. The current production is small, and is sold on the Home and also Export Markets. This request is in response to the Board of Trade appeal for concentration of perfumery trade. Replies treated in strict confidence to 379/870, London Office of this Paper.

LONDON Perfumery Manufacturers are prepared to consider the manufacture and distribution of lines which *do not* come under quota restrictions. Proposals treated confidentially to 380/889, London Office of this Paper.

PROPRIETORS of an established pharmaceutical product would like to contact firm able to produce granulated preparation. 380/901, London Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

MANAGER, 3½ years present London situation, desires change from bombed to safe area; take charge; 33 years; married; free one month. Pharmacist, 109 Morley Avenue, Wood Green, N.22.

QUALIFIED Welsh lady (25) requires locum work within travelling distance Ealing. Howells, 48 St. Dunstan's Road, Hanwell.

LOCUMS SEEKING ENGAGEMENT

LOCUM, Qualified. Much experience. Free May. "Radix," 16 Weald Rise, Reading.

WHOLESALE

KEEN, energetic Salesman desires post; aged 42; own car. Ineligible for military service; fourteen years last employers. Well known in London, Home and Eastern Counties. 381/909, London Office of this Paper.

TABLET-MAKER, 34, desires London situation; good general experience. Advertiser, 225 Capworth Street, London, E.10.

to all pharmacists on the register, whether or not they are liable to military service, asking for certain particulars. The information relating to pharmacists liable to military service and engaged in retail pharmacy will be sent to statutory Pharmaceutical Committees, special arrangements being made for pharmacists engaged in manufacturing laboratories, hospitals, or similar institutions. These Committees, after considering available facilities in their neighbourhood, and in consultation with Insurance Committees, will make recommendations for deferment of the call-up in certain instances. Pharmaceutical Committees will be concerned only with pharmacists of whom it can be established that they are personally indispensable for an efficient local pharmaceutical service. The Committees will not be concerned with cases of personal hardship, which are dealt with by local Hardships Committees. Recommendations of Pharmaceutical Committees will be considered by the Central Pharmaceutical War Committee and passed by them to the Ministry of Health. It is anticipated that similar machinery will operate in Scotland through the Scottish War Committee. Full information will be sent to the secretaries of all Pharmaceutical Committees within the next fortnight, and in the meantime communications from Pharmaceutical Committees concerning the scheme should be deferred. No action should be taken by or on behalf of any pharmacist until the form is received by him; this should be during the current month. Pharmacists may assume that, even if they are not recommended for deferment, they will not be called up before August 1, and any pharmacist who receives notice to present himself for medical examination before July 1 should without delay inform the Central Pharmaceutical War Committee, 17 Bloomsbury Square, London, W.C.1.

Dispensers.—The Central Pharmaceutical War Committee will advise the Ministry of Health upon cases where deferment of call-up is sought by dispensers who are engaged on important work and are personally indispensable for it, i.e. for whom no substitute capable of doing the work can be obtained. Application for deferment by dispensers should be addressed to the Ministry of Health, Whitehall, London, S.W.1, quoting reference Division B.1.

Women Assistants.—Representations have been made to the Ministry of Labour to ensure that women assistants in chemists' shops and women who are being trained to take the place of men assistants liable for service shall not be transferred to other occupations under the scheme of industrial conscription for women.

Students.—Arrangements have been completed by the Ministry of Labour for certification, by the Central Pharmaceutical War Committee to the Ministry, of all students who come within the entry in the Schedule of Reserved Occupations. No action need be taken by individual students at present.

Coming Events

Wednesday, May 7

BRITISH CHEMICAL AND DYESTUFFS TRADERS' ASSOCIATION, LTD.—Abercorn Rooms, Great Eastern Hotel, London, E.C.2, at 2.30 p.m. Annual meeting.

Thursday, May 8

MANCHESTER PHARMACEUTICAL ASSOCIATION AND BRANCH, Onward Hall, Manchester, at 7.45 p.m. Annual meeting. Discussion introduced by Mr. E. Cronin on "Pharmacists and Military Service and other War Problems."

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:—

CB/8.—Sacuonia laxative (Canal brand) for export—makers or agents wanted.
THM/1.—Importers of American and Chinese vacuum flasks.
DSP/2.—Suppliers of vulcanite douche-fittings.
AH/3.—Moleculin—makers or agents wanted.
BMW/6.—Sol-Tan sun-ray lamp.

ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR ? IF SO, READ THIS

In order to assist employees who have lost their employment, *either through enemy action or through businesses being closed down in defence areas*, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist, whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not later than WEDNESDAY morning of week of issue.

WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war. Prospective employers are requested to give them special consideration.

Advertisers in this Section should advise us immediately employment has been secured.

RETAIL

ACTIVE man (32), experienced many years in galenicals, cosmetics, laboratory analysis, with good references, is looking for any position. Polish origin, failed to pass medical standard. Please write CDB/493, London Office of this Paper.

ELDERLY, married, qualified, bombed, and wants berth for duration. Apply, Abstainer, 12 Bramerton Road, Beckenham, Kent.

LADY Dispenser (Hall), disengaged owing to war conditions, seeks post, experienced, hospital, doctors, and pharmacy; knowledge book-keeping, accounts, etc. Can drive car. CDB/501, London Office of this Paper.

LADY Dispenser Secretary (Hall) requires post urgently (in or near London) with Doctors, Hospital or Chemists. Testimonials of the highest; disengaged now through war conditions. CDB/494, London Office of this Paper.

MANAGER (Drug Stores), experienced senior man; disengaged through enemy action; satisfactory reference CDB/441, London Office of this Paper.

WHOLESALE

AS Representative or any other responsible position. Qualified Chemist who has called on Chemists, Multiple Stores, Hairdressers and Export Houses in London and Suburbs for last 20 years; has excellent connexions and references; recently disengaged owing to "Limitation of Supplies" Bill; would accept moderate remuneration. CDB/449, London Office of this Paper.

REPRESENTATIVE over military age, disengaged owing to enemy action; represented a well-known House for 20 years; has an extensive and intimate connexion with Chemists in the West of England, Poole to Penzance. Own car and clean licence. CDB/446, London Office of this Paper.

REPRESENTATIVE, over military age, connexion amongst First-class Hairdressers in South and Mid Wales for 25 years, excellent references; late firm destroyed enemy action. Orders waiting good-class Bulk Lines. Packed Goods, Proprietaries, etc. Commission or full time. CDB/453, London Office of this Paper.

REPRESENTATIVE, 52, with 20 years' experience calling on Chemists, Hairdressers and Stores in the West of England and South Wales, seeks similar position with firm of repute; energetic and trustworthy; car driver, excellent accounts open. CDB/437, London Office of this Paper.

REPRESENTATIVE, over military age, with own car, is open for an additional agency for Scotland, Cumberland and Westmorland on commission and small expenses allowance; 15 years' experience and excellent connexion. CDB/492, London Office of this Paper.

TRANSPORT Manager, age 31, single. Associate of the Industrial Transport Association; 10 years' experience with large wholesale and retail chemists, fully experienced in Rail and Shipping accounts, claims, costing, and full control of fleet and repair shop. CDB/467, London Office of this Paper.

EXAMINATION RESULTS

London.—The following table summarises the results of the examinations of the Pharmaceutical Society of Great Britain held in London in April.

Examination	Entered	Absent	Failed	Referred (One subject)	Passed
Preliminary Scientific:					
(*a*) Whole examination	29	1	15	5	8
(*b*) Referred subject	47	0	—	18	29
Chemist and Druggist Qualifying:					
(*a*) Whole examination	51	1	26	11	13
(*b*) Referred subject	51	0	—	11	40

The Board also prescribed that two candidates should, before re-entry, undergo a further course of study, one in biology and the other in the botany section of biology.

The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination:—

Alvey, L.	Griffin, F. E.	Lees, F. M.	Richards, D.
Carr, Mary S.	Hargrave, F. E.	Liff, R. R.	Richardson, D.
Chester, A. C.	Harris, G. P.	May, E. G.	Smith, R. J.
Clegg, C.	Holmes, M.	Melzack, I.	Thomas, H.
Cohen, S.	Howell, R.	Milne, J. K.	Thomas, W. D. N.
Cram, F.	Jacobson, H. M.	Mitchell, G.	Tyler, R.
Davies, E. R.	Jarman, R. L.	Munday, A. B. J.	Uren, A. B.
Devoy, J. A.	Jeffery, H. J. N.	Murphy, P. H.	Wade, C. M. C.
Elliott, A. B.	Jones, B. J. E.	Newby, E.	Walker, H. J.
Evans, D. M.	Kelly, A. J.	Paul, J.	Williams, I. G.
Farrow, H. P. H.	Kendall, R. M.	Peters, R.	Williams, N. B.
Fensome, E. S.	Lacey, G. O.	Pettet, W. S.	Winckley, J.
Fisher, D.	Lake, E. W.	Phillips, D. B.	Winterton, B. J.
Gealy, E. L.			

Edinburgh.—The following are the results of the April examinations in Edinburgh:—

Examination	Entered	Absent	Failed	Referred (One subject)	Passed
Preliminary Scientific:					
(*a*) Whole examination	16	0	7	4	5
(*b*) Referred subject	11	0	0	3	8
Chemist and Druggist Qualifying:					
(*a*) Whole examination	29	2	8	12	7
(*b*) Referred subject	19	1	0	3	15

The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination:—

Barrass, Ada A.	Gray, Enid	Lawton, A. E.	Robertson, W.
Boyce, D.	Hill, S.	Park, J. A.	Rothwell, R. S.
Bruce, J.	Harley, E. J.	Pedley, J. F.	Wilkinson, G. R.
Chadwick, F. H.	Jones, M. G.	Richards, J. W.	Wilson, S. D.
Escott, R.	Keir, D. L.	Roberts, D.	Woodhead, H.
Fowler, W. G.	Kress, F.		

TRADE-MARK APPLICATIONS

(*From "The Trade Marks Journal," April* 9, 1941)

Device of knight on horseback and letter C on shield and cloth, the whole encircled with the words "Clinton White Rider Starch" (word "Clinton" and letters "C" "C" disclaimed); for starch. By The Clinton Co., Clinton, Iowa, U.S.A. 613,772. (Associated.)

"AIRGRAPH"; for photographic chemicals, sensitised plates; apparatus; photographs and paper being stationery, etc. (1) (9) (16) (IV). By Kodak, Ltd., Kingsway, London, W.C.2. 613,847/8/9. (All Associated.)

"FABRONE"; for fireproofing preparations (1) (IV). By G. Roan, 26 Hillcrest Avenue, Edgware, Middlesex. 614,066.

"VISI-LITE"; for cellulose acetate sheet material for use as a substitute for glass (1) (IV). By C. F. Anderson & Son, Ltd., Harris Wharf, Graham Street, London, N.1. 614,069.

"RIGISIL"; for an adhesive solution for use on glass (1) (IV). By Rigidex, Ltd., High Street, Wealdstone, Middlesex. 614,135. (Associated.)

"DERMETICS" (device, and the word "Dermetics" disclaimed); for toilet preparations (3) (IV). By Dermetics, Inc., 628 Fourth and Pike Building, Seattle, Washington, U.S.A. 608,714.

"BLITZO"; for soaps (3) (IV). By F. A. Clayton & Co., Ltd., 2 Everton Terrace, Liverpool, 5. 613,436.

"KAPPA"; for toilet preparations, perfumes, mouth-washes, depilatory preparations, etc. (3) (IV). By E. Ratcliffe, 14 Ealing Road, Wembley. 613,836.

"SUPERVENE"; for soaps, perfumery, cosmetics, etc. (3) (IV). By S. Webster, Ltd., 92 Skinner Lane, Leeds, 7. 614,078.

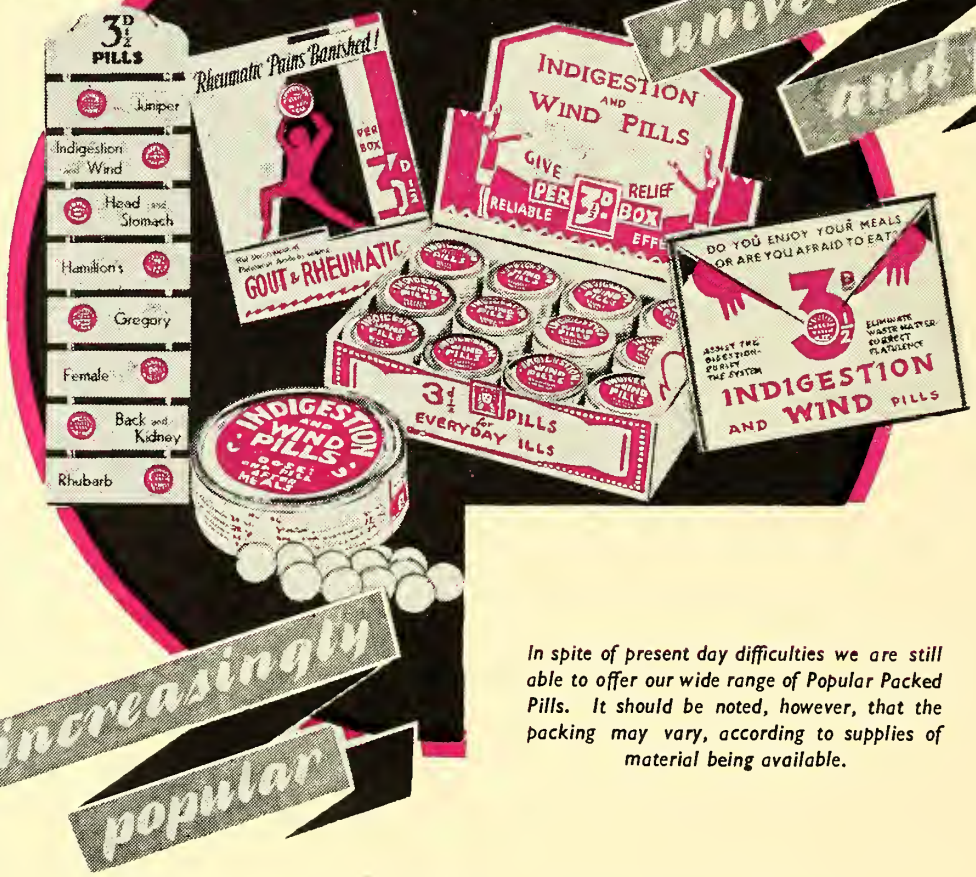
Printed in Great Britain for the Proprietors by THE PITMAN PRESS, Lower Bristol Road, Bath, and Published weekly by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*May* 3, 1941. [37/11]

Cussons
SONS & CO., LTD.

KERSAL VALE · MANCHESTER · 7

3D ½ PILLS

universally and increasingly popular



In spite of present day difficulties we are still able to offer our wide range of Popular Packed Pills. It should be noted, however, that the packing may vary, according to supplies of material being available.

Style 1—Mauve Labels. Style 2—Buff Labels.

Antibilious	**Constipation**	**Hiera Picra**	**Liver Rousers**
Aplol and Steel	**Female**	**Indigestion and Wind**	**Neuralgia**
Back and Kidney	**Gout and Rheumatic**	**Juniper**	**Quinine and Iron**
Blood and Skin	**Gregory**	**Laxative Oil**	**Rhubarb**
Celery	**Hamilton's**	**Little Liver**	**Rufi**
Cochia	**Head and Stomach**	**Liver and Stomach**	**Steel and Pennyroyal**
			Vegetable Liver

Boxes of 12 Per doz. @ 1/8 doz. } Purchase Tax
1 Gross @ 18/- gross } 16⅔% extra.

Retail 3½d. per box, including Purchase Tax.

Style 3—Purple Flange Card Boxes 1/- gross extra.

ARTHUR H. COX & CO. LTD. (EST. 1839) BRIGHTON

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